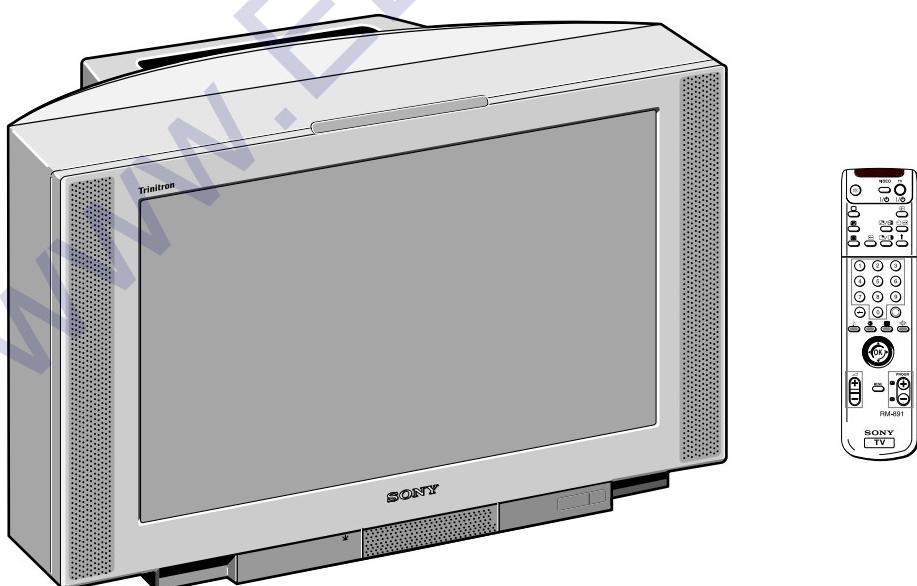


Self Diagnosis
Supported model

SERVICE MANUAL

AE-5 CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-29FS60A	RM-891	Italian	SCC-Q12E-A	KV-32FS60A	RM-891	Italian	SCC-Q12F-A
KV-29FS60B	RM-891	French	SCC-Q13E-A	KV-32FS60B	RM-891	French	SCC-Q13F-A
KV-29FS60D	RM-891	AEP	SCC-Q11E-A	KV-32FS60D	RM-891	AEP	SCC-Q11F-A
KV-29FS60E	RM-891	Spanish	SCC-Q14E-A	KV-32FS60E	RM-891	Spanish	SCC-Q14F-A
KV-29FS60K	RM-891	OIRT	SCC-Q16G-A				
KV-29FS60R	RM-891	OIRT	SCC-Q16H-A				
KV-29FS60U	RM-891	UK	SCC-Q15D-A				



TRINITRON® COLOR TV
SONY®



ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
Italian	B/G/H,D/K	GERMAN Stereo	ITALIA VHF : A-H2 (C) UHF : 21-69 PAL B/G/H VHF : E2-E12 UHF : E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05,M1-M10,U1-U10 DK VHF : R01-R12 UHF : R21-R69	PAL, SECAM NTSC4.43, NTSC3 58 (VIDEO IN)
French	B/G/H, D/K,L,I	GERMAN/NICAM Stereo	L VHF : F02-F10 UHF : F21-F60 CABLE : B-Q B/G/H VHF : E2-E12 UHF : E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF : A-H2 (C) UHF : 21-69 I UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3 58 (VIDEO IN)
AEP	B/G/H, D/K	GERMAN Stereo	PAL B/G/H/ VHF : E2-E12 : E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF : A-H2 (C) UHF : 21-69 D/K VHF : R01-R12 UHF : R21-R69	PAL, SECAM NTSC4.43, NTSC3 58 (VIDEO IN)
Spanish	B/G/H, D/K	GERMAN/NICAM Stereo	PAL B/G/H/ VHF : E2-E12 : E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF : A-H2 (C) UHF : 21-69	PAL, SECAM NTSC4.43, NTSC3 58 (VIDEO IN)
OIRT	B/G/H, D/K	KV-29FS60K GERMAN/NICAM Stereo KV-29FS60R GERMAN Stereo	B/G/H/ VHF : E2-E12 UHF : E21-E69 CABLE TV (1) : S1-S41 D/K VHF : R01-R12 UHF : R21 R 9	PAL, SECAM NTSC4.43, NTSC3 58 (VIDEO IN)
UK	I	NICAM Stereo	UHF : B21-B69	PAL NTSC4.43, NTSC3 58 (VIDEO IN)

MODEL	29FS60A	29FS60B	29FS60D	29FS60E	29FS60K	29FS60R	29FS60U	32FS60A	32FS60B	32FS60D	32FS60E
Power Consumption	149Wh	148Wh	148Wh	148Wh	148W	1 8W	148Wh	144Wh	149Wh	149Wh	149Wh

[PICTURE TUBE]

KV-29FS60

FD Trinitron
Approx. 72 cm (29 inches)
(Approx. 68 cm picture measured diagonally)
102 degree deflection

[FRONT]

- 3 Video output - phono jack
- 3 Audio inputs - phono jacks
- 3 S Video input - 4 pin DIN
Headphone jack : stereo minijack

KV-32FS60

FD Trinitron
Approx. 82 m (32 inches)
(Approx. 76 cm picture measured diagonally)
102 degree deflection

Sound output	2x25W (Music Power)
Power requirements	220 - 240V
Dimensions	
KV-29FS60	Approx 738 x 588 x 507 mm (w/h/d)
KV-32FS60	Approx 867 x 564 x 558 mm (w/h/d)

Input/Output Terminals

[REAR]

1 21-pin Euro connector (CENELEC standard).
- Inputs for Audio and Video signals.

- Inputs for RGB.
- Outputs of TV Video and Audio signals.

2 21-pin Euro connector

- Inputs for Audio and Video signals.
- Inputs for S video.
- Outputs for Video and Audio signals (selectable).

3 21-pin Euro connector

- Inputs for Audio and Video signals.
- Inputs for S video.

External speaker terminals : 2-pin DIN (5)

Weight

KV-29FS60	Approx 55kg
KV-32FS60	Approx 68kg

Supplied accessories

RM-891 Remote Commander (1)
IEC designated R6 battery (2)

Other features NICAM*, FASTEXT, TOPTEXT
* (KV-29FS60B/29FS60E/29FS60K/
29FS60U/32FS60B/32FS60E only)

[RM-891]

Remote control system	Infrared control
Power requirements	3V dc
	2 batteries IEC designation
	R6 (size AA)
Dimensions	Approx 210x56x24mm (w/h/d)
Weight	Approx 110g (Not including battery)

Design and specifications are subject to change without notice.

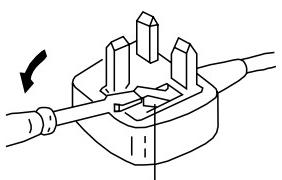
Model Name \ Item	KV-29FS60A	KV-29FS60B	KV-29FS60D	KV-29FS60E	KV-29FS60K	KV-29FS60R	KV-29FS60U
Item	KV-32FS60A	KV-32FS60B	KV-32FS60D	KV-32FS60E			
Pal Comb	ON						
PIP	OFF						
RGB Priority	ON						
Woofer Box	OFF						
Scart 1	ON						
Scart 2	ON						
Front in (3)	ON						
Scart 4	ON						
Projector	OFF						
AKB in 16:9 mode	ON						
Norm B/G	ON	ON	ON	ON	ON	ON	OFF
Norm I	OFF	ON	OFF	OFF	OFF	OFF	ON
Norm D/K	ON	ON	ON	ON	ON	ON	OFF
Norm AUS	OFF						
Norm L	OFF	ON	OFF	OFF	OFF	OFF	OFF
Norm SAT	OFF	OF	OFF	OFF	OFF	OFF	OFF
Norm M	OFF						
Teletext	ON						
Nicam Stereo	OFF	ON	OFF	ON	ON	OFF	ON
Language Preset	Italia	French	German	Spanish	OIRT	OIRT	English

WARNING (KV-29FS60U only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** capacity. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by **ASTA** to **BS 1362**, ie one that carries the  mark.

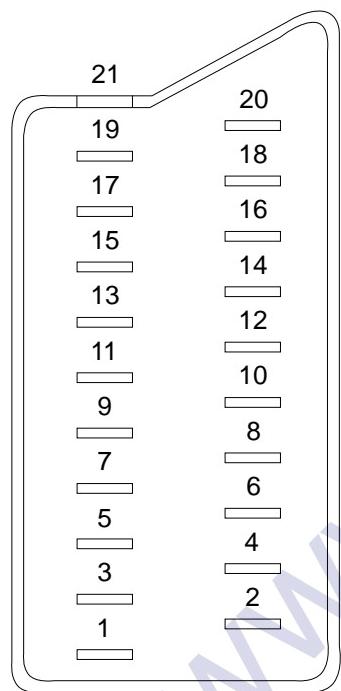
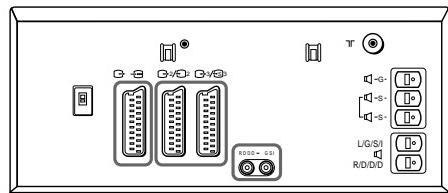
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE OUTLET SOCKET.

When an alternative type of plug is used it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.



How to replace the fuse.
Open the fuse compartment with a screwdriver blade and replace the fuse.

21 pin connector

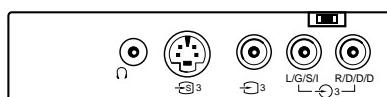


Pin No	1	2	4	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
2	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedance : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedance : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedance : More than 10kohm*
7	○	●	●	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5~2V) : Part mode Low state (0~2V) : TV mode Input impedance : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Red (red)	
14	○	○	○	Ground (blanking)	
15	○	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
	-	○	○	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1~3V) Low state (0~0.4V) Input impedance : 75 ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	-	-	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	-	○	○	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected

● Not Connected (open) * at 20Hz - 20kHz

Pin No.	Signal	Signal Level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75 ohm, positive Sync. 0.3V -3 + 10dB
4	C (S signal) input	0.3V ± 3dB 75 ohm, positive Sync.



AE-5 SELF DIAGNOSTIC SOFTWARE

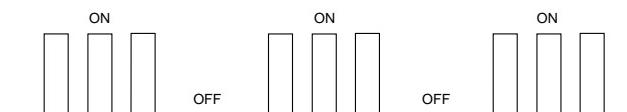
The identification of errors within the AE-5 chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1., non fatal errors are reported using this method.

Diagnostic Item Description	No of times Standby LED Flashes	Probable cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in Fuse is burned out	Power does not come on No power is supplied to the TV AC power supply is faulty
+B Overcurrent (OCP)	2 times	H.OUT (Q6803/6804) is shorted. (D Board) Linearity FET (Q6806) is shorted. (D Board) IC6604 Power IC is shorted. (D Board)	Power does not come on Load on power line has shorted
Vertical Deflection stopped	4 times	+15V is not supplied R6835 open (D Board) -15V is not supplied R6834 open (D Board) IC6700 is shorted (D Board)	Vertical deflection pulse has stopped Power line has shorted

ERROR	LED ERROR COUNT
No error	00
Not allowed (may be confused with S rcs response flash!)	01
Over Current Protection	02
Over Voltage Protection	03
Vertical Protection	04
AKB	05
H - Protection	06
Speaker Protection	07
General IIC Line 0 error	08
MEGATEXT	09
NVM	10
Main colour decoder	11
Feature Box	12
D/A converter	13
Backend	14
Multi sound processor	15
Auto Wide	16
External RAM	17

Flash Timing Example : e.g. error number 3

StBy LED



ERROR DETECTION MONITOR

Device acknowledge is used to check IIC errors. Device acknowledge is checked by sending an IIC start sequence during CRT power on. Each device is checked three times, if there is no acknowledge after every attempt, it will be regarded as an error.
There are three steps to check errors

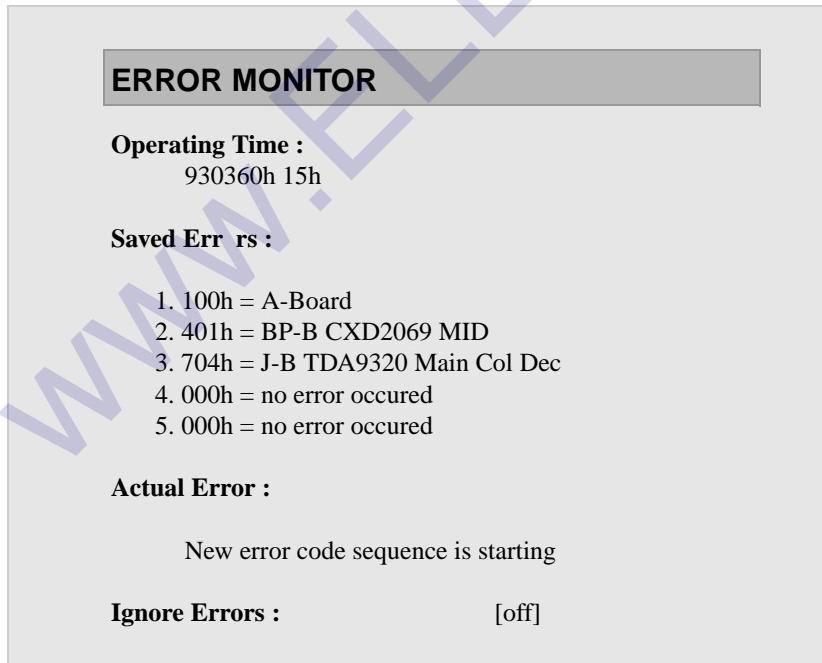
1. IIC line 0
If all devices except the NVM have errors, IIC line 0 error is displayed
2. Board check
If all devices mounted on one board have errors, board error is displayed
3. Each device check
If IIC line error and board error are not detected then the device with an error is displayed

The detected errors can be displayed as follows:

1. Error Monitor Menu
2. Error Reader

1. ERROR MONITOR MENU

The error monitor menu is displayed by selecting TT33. The following menu will be displayed:



2. ERROR READER DISPLAY

The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10. Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the following table :

Send Data to Error Reader				
Error Code	Data high	Data Low	Error type	Function
00 00h	-	f0h	no device	
Gen.IIC Error				
00 01h	f0h	01h	IIC 0 line	
00 02h	f0h	02h	IIC 1 line	not used
Board Error				
01 00h	f1h	00h	A Board	
02 00h	f2h	00h	B1 Board	
03 00h	f3h	00h	B2 Board	
04 00h	f4h	00h	BP Board	
05 00h	f5h	00h	D1 Board	
06 00h	f6h	00h	E Board	
07 00h	f7h	00h	J Board	
Device Error				
A Board				
01 01h	f1h	01h	CXA1875	Port Expander
01 02h	f1h	02h	TU1326	Main Tuner
01 03h	f1h	03h	TU1350	Sub Tuner
B1 Board				
02 01h	f2h	01h	P83C654	Feature Box
02 02h	f2h	02h	SDA9280	D/A Converter
B2 Board				
03 01h	f3h	01h	SAA4977	Basic
03 02h	f3h	02h	SAA4950	Memory
BP Board				
04 01h	f4h	01h	CXD2069	MID
D1 Board				
05 01h	f5h	01h	CXA8070	Dynamic Conv.
05 02h	f5h	02h	CXA1875	Port Expander
E Board				
06 01h	f6h	01h	CXD2100	Backend
J Board				
07 01h	f7h	01h	CXD2057	Auto Wide
07 02h	f7h	02h	SDA9288	PIP
07 03h	f7h	03h	TDA9320	Sub Colour
07 04h	f7h	04h	TDA9320	Main Colour
07 05h	f7h	05h	CXA1875	Sub Sound
07 06h	f7h	06h	TDA7309	HP Amp
07 07h	f7h	07h	TEA6422DT	Audio SW
07 08h	f7h	08h	MSP3410D	Sound Proc
07 09h	f7h	09h	TC9337F	Sound DSP

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			7 ELECTRICAL PARTS LIST		133

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP

WARNING !!

AN ISOLATING TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINT SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DÉPANNAGE. LE CHASSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDE À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ !!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU Fonctionnement, NE LES REMPLACER QUE PAR DES COMPOSANTS SONY dont le NUMÉRO DE PIÈCE EST INDiquÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

Overview

1 This section briefly describes the buttons and controls on the TV set and the Remote Control. Open the flaps at the front and back of this Instruction Manual for detailed illustrations. For more information refer to the page numbers given in the overview.

Remote Control

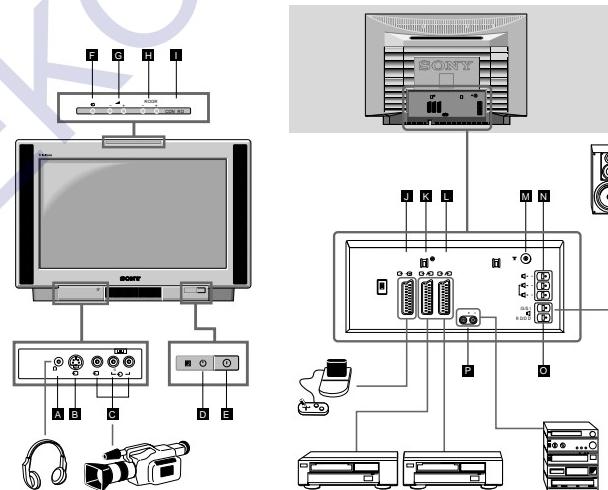
Symbol	Description	See page
①	TV: standby mode on/off	32
②	TV: on-screen display	32
	Teletext: index page	42
③	Selecting of input source	44
	Teletext: Freezing a subpage	42
④	PIP: Swapping the screens	41
⑤	PIP: Selecting the source	41
⑥	PIP: Switching on and off	41
⑦	Number buttons	32
⑧	Back to the channel last selected	32
⑨	Selecting of screen format	32
⑩	No function on this set	
⑪	Joystick for menu selection	31
	Press OK to confirm	
⑫	Switching on and off of Menu system	31
⑬	TV: Channel selection up- and downwards	32
	Teletext: Page selection up-and downwards	42
⑭	Volume control	32
⑮	Picture mode	32
⑯	Equaliser mode	32
⑰	Selection of double digit channel numbers	32
⑱	Freezing of TV picture	3
⑲	No function on this set	
⑳	Teletext: Switching on	2
㉑	TV: Selecting of TV mode	32
	Teletext: Switching off	42
㉒	Muting of sound on/off	32
㉓	VIDEO1/Standby mode	45
	Buttons under cover	
㉔	Displaying of the time	32
㉕	VCR operation	45
	VTR 1 2 3 4 MDP ◀▶▶▶▶■■■●	
㉖	Video equipment selector	
	Buttons for VCR operation	
㉗	Resetting of picture setting	32

SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

TV-set – front and top

Symbol	Description	See page
A	Headphone jack	54
B	S-video input jack	52
C	Phono video /audio input	52
D	Indicator for standby mode	37
E	Power switch	37
F	Selecting input source	52
G	Volume control	37
H	Channel selection up- and downwards	37
I	Control panel: Switching on/off	37



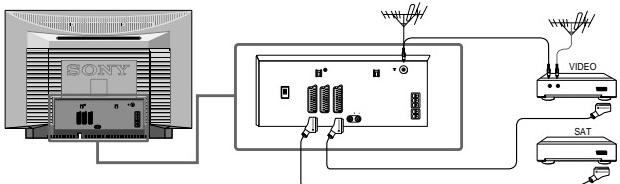
TV-set – rear

Symbol	Description	See page
J	21-pin Euro connector (Scart)	52
K	21-pin Euro connector (Scart)	52
L	21-pin Euro connector (Scart)	52
M	Aerial socket	35
N	R/D/D/L/G/S/I, G+, G-, C	34
O	Left and right speaker terminals	34
P	Audio phono jacks	54

Installation

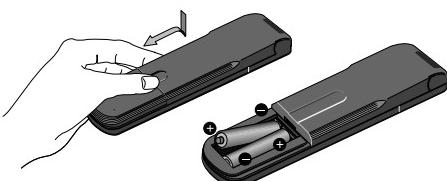
B Connecting the TV Set

- 1 Connect the TV set to the mains socket (220-240 V AC, 50 Hz).
 - 2a Connect a conventional aerial cable to the socket marked M on the rear of the TV set or
 - 2b Connect your Satellite Receiver to one of the Scart connectors J K L of the TV set.
- (i) When connecting a VCR to your TV set:**
We recommend that you use the preset function Manual Programme Preset (page 38) to tune in the VCR signal to programme position 0.



C Inserting the Batteries into the Remote Control

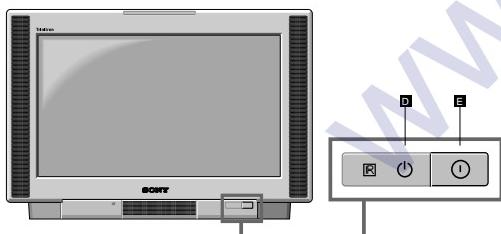
- A** Make sure to insert the batteries using the correct polarities.
Dispose of exhausted batteries according to your local regulations.



10

D Switching on the TV Set

- Press the switch E at the front of the TV set.
- (i)** If the standby mode indicator D on the TV is lit, press TV I/ on the Remote Control to switch on the TV set.

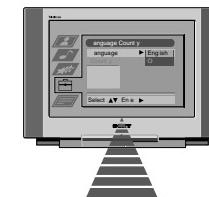
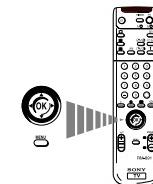


Step 2 Basic Presetting

A The Menu System

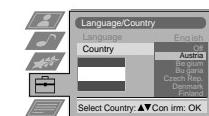
- (i)** Your TV uses an on-screen menu system to guide you through the operations.
Use the following buttons on the Remote Control to operate the menu system:

- Press MENU to switch the menu on and off.
- Use of the joystick to select within the menu system.
- Press OK to store.
- When menu is switched off:
Press to return to the last menu screen.



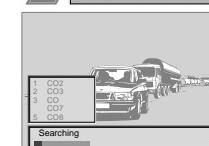
B Selecting Language and Country

- 1 Press the MENU button.
(i) The menu Language/Country appears on the screen.
- 2 Push the joystick to . Push the joystick to to select the language.
Press OK .
- (i)** The menus appear in the selected language.
- 3 Push the joystick to to select Country. Push the joystick to .
- 4 Select the country in which you will operate the TV set using or .
(i) Select Off if you wish an automatic tuning without ACI (fast presetting with a given channel sequence).
- Confirm by pressing OK .
- (i)** The menu Auto Tuning appears.



C Automatic Tuning In of Channels

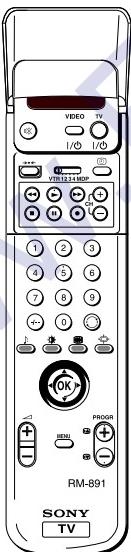
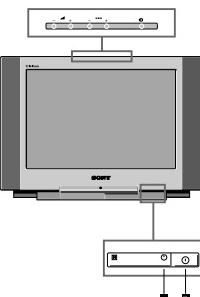
- Push the joystick to for more than 2 sec..
(i) After all available channels are stored, the TV goes back to the programme position with which you started the automatic tuning. Your TV is now ready for use.
- ❖ To stop the automatic tuning: Press OK .
- ❖ If you wish to change the sequence of the stored channels, go to Sorting Programme Positions in Advanced Presetting.
- ❖ If you need to change or repeat the tuning afterwards (e.g. when you move house): select the menu Auto Tuning in the Set Up menu.



Step 3 Basic TV operation

(1) This section explains the most important functions for the daily use of your TV set. When using the control panel on the top of the TV set, first press CONTROL **I**, then **F**, **G** or **H**.

Function	Operation
Switching on/off	<ul style="list-style-type: none"> Press I on the TV set. To save energy, we recommend to switch off the TV completely when set is not in use.
Switching off temporarily (Standby mode)	<ul style="list-style-type: none"> Press TV I/J. TV is now in standby mode. Indicator J lights up. After 15 min. without any TV signal and no pressing of a button, the TV automatically goes into standby mode.
Switch on from standby mode	<ul style="list-style-type: none"> Press TV I/J, PROGR +/- K or any number button L.
Selecting channels	<ul style="list-style-type: none"> Press PROGR +/- K or the number buttons L. For a double digit number first press +/- K, then the two number buttons. Press OK M. Push to N or O to select a channel, push to P to confirm. Press Q.
Using the Channel overview	
Going to the channel last selected	
Adjusting the volume	<ul style="list-style-type: none"> Press R + or - S.
Muting the sound	<ul style="list-style-type: none"> Press T S to switch sound off or on.
Selecting Equaliser mode (See also page 39)	<ul style="list-style-type: none"> Press U repeatedly T to select one of the following modes: Personal, Vocal, Jazz, Rock, Pop or Flat
Selecting Picture mode (see also page 38)	<ul style="list-style-type: none"> Press U repeatedly T to select one of the following modes: Personal, Movie or Live.
Freezing the picture	<ul style="list-style-type: none"> Press U T if you wish to make a note of an information, e.g., a telephone number. Press again to return to the normal TV screen.
Changing the screen format	<ul style="list-style-type: none"> Press U T repeatedly to select 4:3 or 16:9 (imitation of wide screen format).
Resetting picture/sound settings to factory levels	<ul style="list-style-type: none"> Open the cover of the Remote Control. Press U T.
Displaying on-screen indications	<ul style="list-style-type: none"> Press U T to switch indications on or off.
Displaying the time (only when teletext is broadcast)	<ul style="list-style-type: none"> Open the cover of the Remote Control. Press U T to switch time on or off.
Using Teletext (see also page 42)	<ul style="list-style-type: none"> Press U T to switch on. Press U T to switch off. Select a page using the number buttons L. E.g. for page 125 press 1,2 and 5. Select the index page by pressing U T.
Viewing the input signal of a connected device (see also page 44)	<ul style="list-style-type: none"> Press U T repeatedly to select the desired input source. Press U T to return to the TV picture.

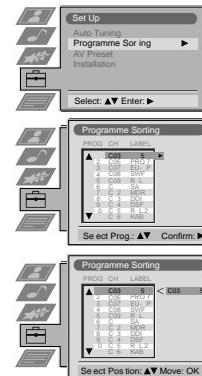


Advanced Operation

Advanced Presetting

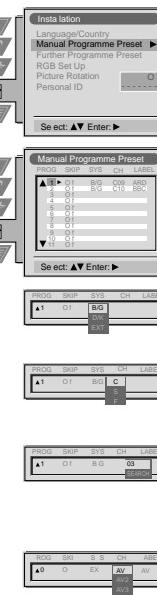
Sorting of Programme Positions

- (1)** After having used Automatic Tuning channels you may wish to rearrange the order of the channels.
- 1 Press MENU. Select the symbol **U** using **V**. Push to **P**.
 - 2 Select Programme Sorting using **V**. Push to **P** to enter.
 - 3 Select the programme position of the channel you wish to sort using **A** or **V**. Push to **P** to enter.
 - 4 Move the channel to the new programme position using **A** or **V**. Store by pressing OK.
 - 5 The channel is now at the new position. The other programme positions move accordingly.
 - 6 To sort other programme positions repeat steps 3 to 4.
 - 7 Press MENU to return to the normal TV screen.



Manual Tuning In of Channels

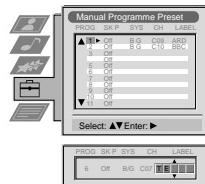
- (1)** Use this function to preset channels or a video input source one by one to programme positions of your choice.
- 1 Press MENU. Select the symbol **U** using **V**. Push to **P**.
 - 2 Select Installation using **V**. Push to **P** to enter. Select Manual Programme Preset using **V**. Push to **P** to enter.
 - 3 Select the programme position by pushing to **A** or **V**. Push twice to **P**. The column SYS is highlighted.
 - 4 Select the TV system using **A** or **V**. Push to **P** to enter.
 - 5 Available TV systems are B/G for western European countries, D/K for eastern European countries, EXT for a video input source (please go to step 5 after selecting EXT)
 - 6 The column CH is highlighted.
 - 7 Select your method for the channel tuning using **A** or **V**. Push to **P** to enter.
 - 8 You have the choice between C for a terrestrial channel, S for a cable channel, F for direct frequency input.
 - a Direct Channel Input - S, C or F
 - 9 For channel numbers input a two digit number, for the channel frequency a three digit number.
 - a Select the two or three digits by using the number buttons 0 to 9.
 - b To start the search and to store the channel, press OK.
 - c To preset other channels repeat steps 3 to 5a.
 - 10 b Channel search (SEARCH)
 - a Use Search if you do not know the channel number or frequency
 - b Start the search for the next available channel by pushing to **V**.
 - c Store the channel by pressing OK or continue the search by pushing again to **V**.
 - d To search for other channels repeat steps 3 to 5b.
 - 11 c For video input sources (EXT)
 - a Select the Video Input source using **A** or **V**.
 - b Store your selection by pressing OK.
 - c To allocate other sources repeat steps 3 to 5c.
 - 12 d Press MENU to return to the normal TV screen.



Advanced Presetting

Captioning a Station Name

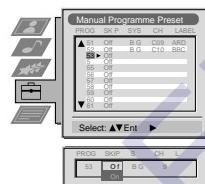
- ①** During presetting the channels are usually labelled automatically.
You can, however, individually name a channel or a video input source.
- 1 Press MENU. Select the symbol using **▼**. Push to **▶**.
 - 2 Select Installation using **▼**. Push to **▶** to enter.
Select Manual Programme Preset using **▼**. Push to **▶** to enter.
 - 3 Select the programme position of the channel or the video source you wish to label by pushing **▼** or **▲**. Push repeatedly to **▶** until the first element of the position LABEL is highlighted.
 - 4 Select a number, a letter, + or a blank using **▲** or **▼**. Push to **▶** to confirm.
Select the other four characters in the same way.
 - 5 Store your selection by pressing OK.
 - 6 To label other channels or video sources repeat steps 3 to 5.
 - 7 Press MENU to return to the normal TV screen.



Skipping of Programme Positions

- ①** In case of 100 programme positions there may be unused positions, which you can skip in the menu Manual Programme Preset. When changing channels with the PROGR +/- buttons they do then not appear.
You can, however, still select them using the number buttons.

- 1 Press MENU. Select the symbol using **▼**. Push to **▶**.
- 2 Select Installation using **▼**. Push to **▶** to enter.
Select Manual Programme Preset using **▼**. Push to **▶** to enter.
- 3 Select the programme position you wish to skip by pushing **▲** or **▼**. Push to **▶** to enter.
☒ The column SKIP is highlighted.
- 4 Select ON using **▼**.
- 5 Store by pressing OK.
- 6 To skip other programme positions repeat steps 3 to 5.
- 7 Press MENU to return to the normal TV screen.



Advanced Presetting

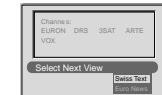
Selecting your NexTVView Provider*

*depending on availability of service

- ①** NexTVView is an on-screen electronic programme guide, providing you with programme information on many broadcasters. Your TV set automatically selects a NexTVView provider. This provider will be available about 30 minutes after the channel tuning. You can however, also select a provider of your choice. See Using NexTVView on page 48 for information on the operation of NexTVView.

⚠ When using a satellite receiver make sure to connect the receiver to the aerial socket of your TV set.

- 1 Press MENU. Select the symbol using **▼**. Push **▶** to enter.
- 2 Select Select NexTVView using **▼**. Push **▶** to enter.
☒ A list is displayed containing all available NexTVView providers and the supported broadcasters.
- 3 Select the desired NexTVView provider by using **▲** or **▼**. Store by pressing OK.
- 4 Press MENU to return to the normal TV screen.



Using of Further Programme Preset

- ①** Using the menu Further Programme Preset you can individually attenuate the strength of a channel signal in case of a strong local aerial signal (striped picture).

individually adjust the volume level of each channel.
improve the quality of a weak channel (picture or sound distortions) with manual fine tuning.

- d) preset the AV output for programme positions of those channels with scrambled signals (e.g. from a Pay TV decoder). In this way a connected Smartlink VCR records the unscrambled signal.

Press MENU. Select the symbol using **▼**. Push **▶** to enter.

- 2 Select Installation using **▼**. Push **▶** to enter. Select Further Programme Preset using **▼**. Push **▶** to enter.
- 3 Select the programme position of the desired channel by pushing **▲** or **▼**. Push **▶** repeatedly to select:
ATT (RF attenuator), VOL (Volume Offset), AFT (Automatic Fine Tuning) or DECODER.
- ☒** The selected item changes colour.

- 4a ATT
Push **▼** to select ON. Store by pressing OK.
Repeat steps 3 and 4a if you wish to attenuate other channels.

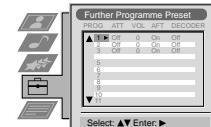
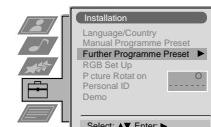
- b VOL
Push **▲** or **▼** to adjust the volume level (range -7 to +7) of the channel.
Store by pressing OK.
Repeat steps 3 and 4b if you wish to adjust the volume level of other channels.

- c AFT
Push **▲** or **▼** to fine tune the channel (range -15 to +15). Store by pressing OK.
Repeat steps 3 and 4c if you wish to fine tune other channels.

- d DECODER
Push to **▲** or **▼** to select AV1 (Euro AV socket 1) or AV2 (Euro AV socket 2) as output for the video source on this programme position. Store by pressing OK.
Repeat steps 3 and 4d if you wish to preset the AV output of other video sources.

⚠ Should you use Auto Tuning afterwards, this setting will be cancelled.

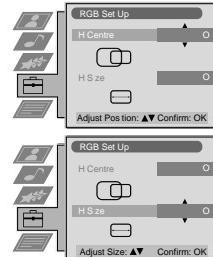
- 5 Press MENU to return to the normal TV screen.



Advanced Presetting

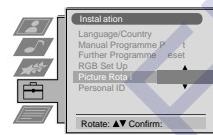
Adjusting the Picture Geometry for an RGB Source

- ①** When connecting an RGB source such as a Sony playstation you may need to readjust the picture geometry.
- 1 Select the connected RGB source  by pressing  repeatedly.
 - 2 Press MENU. Select the symbol  using . Push to .
 - 3 Select Installation using . Push to  to enter. Select RGB Set Up using . Push to  to enter.
 - 4 Select H Centre by pushing to . Adjust the centre of the picture (range from -10 to +10) using  or . Store by pressing OK.
 - 5 Select H Size using . Push to  to enter. Adjust the horizontal coordinates (range from -10 to +10) using  or . Store by pressing OK.
 - 6 Press MENU to return to the normal TV screen.



Adjusting the Picture Rotation

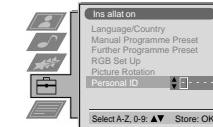
- ①** Because of the earth magnetism the picture might slant. In this case you can readjust the picture.
- 1 Press MENU. Select the symbol  using . Push to .
 - 2 Select Installation using . Push to  to enter. Select Picture Rotation using . Push to  to enter.
 - 3 Adjust the Picture Rotation (adjusting range -5 to +5) by pushing to  or . Store by pressing OK.
 - 4 Press MENU to return to the normal TV picture.



Advanced Presetting

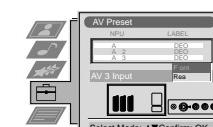
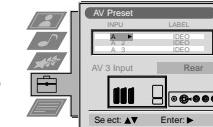
Inputting Your Personal ID

- ①** You can programme your TV with a safety code, so that you can be traced if your TV is stolen and recovered. This code can only be input once! Make sure to write it down in this Instruction Manual.
- 1 Press MENU. Select the symbol  using . Push to .
 - 2 Select Installation using . Push to  to enter. Select Personal ID using . Push to  to enter.
 - 3a Select the first of a total of 11 characters (letter, number, + or a blank) by using  or .
 - b Push to  to go to the next character.
 - c Repeat a and b for all characters.
 - 4 Store by pressing OK.
 - 5 Press MENU to return to the normal TV screen.



Presetting and Labelling of Input Sources

- ①** After each step you have the choice between memorizing (press OK) or going to the next item (push to ).
- 1 Press MENU. Select the symbol  using . Push to .
 - 2 Select AV Preset using . Push to  to enter.
 - 3 Select the desired AV input (AV 1, 2 or 3) using  or . Push to  to enter.
 - 4 To label the source:
 - a Push to  to select Label.
 - b Select the first character using  or . Push to  to confirm.
 - c Repeat step b to select the other 4 characters.
 - d Store by pressing OK.
 - 5 Repeat steps 3 to 4 for the other AV inputs.
 - 6 Selecting the AV3 Input Source:
 - a Push to  to select AV3 Input. Push to  to enter.
 - b Select Front or Rear using  or .
 - c Store by pressing OK.
 - 7 Press MENU to return to the normal TV screen.



Advanced TV operation

Adjusting Picture and Sound

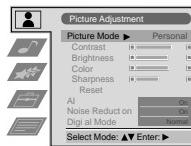
(1) Picture and sound are adjusted at the factory. You can however, adjust them individually.

- 1 Press MENU.
Select the symbol for Picture or for Sound using **▲** or **▼**. Push to **►** to enter.
The menu Picture or Sound Control is displayed.
- 2 Select the desired item using **▲** or **▼**. Push to **►** to enter.
- 3 Adjust the selected item using **▲**, **▼**, **►** and **◄**. Press OK to store.

(1) Refer to the tables on this and the following page for more information.

4 Repeat steps 2 and 3 to adjust other items.

5 Press MENU to return to the normal TV screen.

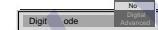
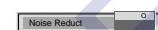
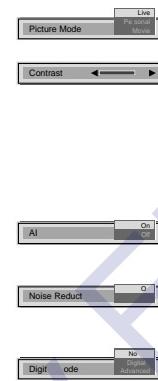


Picture Control

Item	Effect/Operation
Picture Mode	▼ Live (for live broadcasts) Personal (for individual settings) ▲ Movie (for movie broadcasts)
Contrast	Less ◀ ► More
Brightness*	Darker ◀ ► Brighter
Colour*	Less ◀ ► More
Hue**	Reddish ◀ ► Greenish
Sharpness*	Softer ◀ ► Sharper
Reset	Resets picture to the factory preset levels
AI (Artificial Intelligence)	▲ Off: normal ▼ On: Automatic optimization of contrast level according to the TV signal
Noise Reduction	▲ Off: Normal ▼ On: Reduces picture noise in case of a weak broadcasting signal
Digital Mode	▼ Normal: 100 Hz Digital+: 100 Hz plus line flicker reduction ▲ Advanced: Digital+ plus smoothing of motions

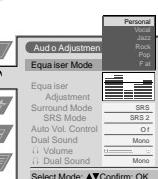
* Only if Personal is selected in Picture Mode

** Only available for NTSC colour signal (e.g. US video tapes)



Sound Control

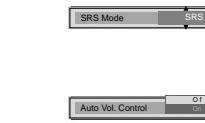
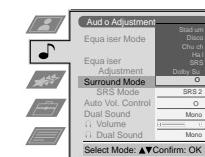
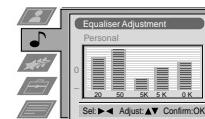
Item	Effect/Operation
Equaliser mode	Select between the following sound setting ▼ Personal Vocal Jazz Rock Pop ▲ Flat (fixed setting, cannot be adjusted)



Advanced TV operation

Sound Control (continued)

Item	Effect/Operation
Equaliser adjustment	(1) You can adjust the mode selected in Equaliser mode by cutting and boosting of 5 selected frequency bands. ▲ Only the changes made in Personal can be stored, the others return to factory setting. • Select the desired bar using ► or ◄ , adjust using ▲ and ▼ . Press OK to store
Surround mode	▲ Off: Norm D lby Sur (Pro logic Tru Surround **) ① Sele when ceiving Dolby broadcast. After the broad return to off, otherwise the V automatically selects Dolby for any stereo broadcast and the sound will be distorted. SR Hall Church Disco Stadium ▼
SRS Mode*	▲ SRS 1 SRS 2 ▼ SRS 3
Auto Volume control	▲ On: volume level of the channels will stay the same independent of the broadcast signal (e.g. in case of advertisements) ▼ Off: volume level changes according to the broadcast signal
Dual Sound	For a bilingual broadcast: ▼ A for channel 1 ▲ B for channel 2 For a stereo broadcast: ▼ Mono ▲ Stereo
Headphones	□ Volume □ Dual Sound Less ◀ ► More For a bilingual broadcast: ▼ A for channel 1 ▲ B for channel 2 PAP ① When PAP is switched on, you can additionally select the PAP sound for the headphones



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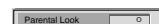
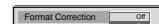
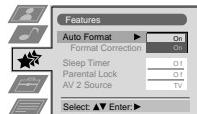
Advanced TV operation

Using the Features Menu

- 1 Press MENU. Select the symbol  using ▼. Push ► to enter.
- 2 Select the desired menu item using ▼. Push ► to enter.
- 3 Select the desired setting using ▲ or ▼.
- 4 Store by pressing OK.
- 5 Press MENU to return to the normal TV screen.

Features

Item	Effect/Operation
Auto Format* *only for aerial signal	▲ On: Automatic selection of the screen format ▼ Off: Normal mode
Format Correction* *only if Auto Format is on	▲ On: Smart mode is selected automatically for 4:3/ 14:9 broadcasts ▼ Off: 4:3/14:9 is selected
Sleep Timer	① You can select a time period after which the TV switches itself into standby mode ▲ Off 10 min. 20 min. ⋮ ▼ 90 min.
Parental Lock	▼ Off: Normal mode ▲ On: TV can only be switched on out of standby-mode using the Remote Commander, the buttons on the TV do not work.
AV2 Source	① You can select the source to be output from the Scart connector  2/  2. In this way you can record from this socket while watching another source. ▲ TV audio/video signal from the aerial  AV1 audio/video signal from Scart 1 AV2 audio/video signal from Scart 2 ▼ AV3 audio/video signal from front or rear connectors



Using Multi PIP

- ① Multi PIP (picture in picture) mode displays a succession of 12 still pictures and a 13th that is live. You can manually select which channel you wish to watch, either full-screen or in the PIP mode.
- 1 Press .
 - 2 Now 13 programme positions appear on the screen, with the current channel in the centre.
 - 3 Press PROGR +/- repeatedly to get the next or the preceding 12 programme positions.
 - 4 Use ▲, ▼, ◀ and ► to move within the 13 displayed channels.
 - 5 Press OK to select the framed channel.
 - 6 The selected channel moves to the centre.
 - 7 When the centre channel is framed, press OK to get the channel full screen or press  to return to the normal TV mode.

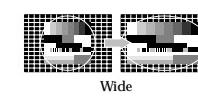
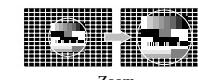
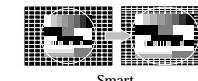


Advanced TV operation

Using Screen Mode

① When Auto Format in the Features menu is preset to »On« and a format signal is being transmitted, the TV set automatically selects the detected screen format. Screen mode, however, lets you select the screen format of your choice.

- Press  repeatedly to get one of the following formats:
- | | |
|-------|--|
| Smart | imitation of wide screen effect for 4:3 broadcasts, parts of the top and bottom of the picture are cut off |
| 4:3 | conventional 4:3 aspect ratio, full picture information |
| 14:9 | compromise between 4:3 and 16:9 aspect ratios |
| Zoom | imitation of wide screen effect for letterboxed movies |
| Wide | for 16:9 broadcasts |



① In Zoom and 14:9 modes parts of the top and the bottom of the screen are cut off. Using ▲ and ▼ you can adjust the position of the image onscreen to e.g. read subtitles. Press OK to confirm.

Operating PAP (Picture and Picture)

① PAP divides the screen into two for watching two channels simultaneously (with a video source on one if you want).

The sound of the left screen is on the TV loudspeakers, the sound of the right screen is selectable via headphones.

Switching PAP on and off

- Press  once to display the screens in format 4:3 and twice to switch PAP off.

Selecting a PAP source

- 1 Press .
- 2 The symbol  appears in the right screen.

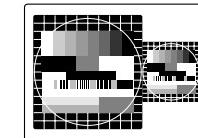
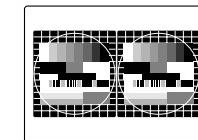
- 2 Select the desired source using the number buttons (for a TV channel)  or  (for a video source).

Swapping screens

- Press  to swap the two screens.

Zooming the screens

- Using the joystick buttons ◀ and ► you can change the size of the two screens. When you press ► repeatedly the right screen gets bigger, while the left screen gets smaller.



Teletext

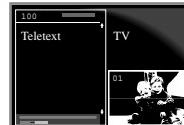
Most TV channels broadcast information via teletext. The index page of the teletext service (usually page 100) gives you information on how to use the service.

- ⚠** Make sure to use a TV channel with a strong signal, otherwise there may be Teletext errors.

Direct Access Functions

Switching Teletext on and off

- Select the TV channel which carries the teletext service you want to view.
- Press **OK** once for Picture and Teletext (P&T).
- The screen is divided in two, with the TV channel in the right corner and the Teletext display on the left.
- P&T mode: Press **OK**. Press PROGR +/- **①** to change the channel of the TV screen. Push **◀** or **▶** to change the size of the TV screen.
Press **OK** again to resume normal teletext reception.
- Press **OK** twice to get Teletext only.
- Press **OK** three times for Mix mode.
- The TV broadcast and the Teletext display are overlapped.
- Press **OK** or press **OK** a fourth time to switch teletext off.



Selecting a Teletext Page

Direct Page Selection

- Input the three digits of the page number using the number buttons **⑦**.
- If you have made a mistake:
Type in any three digits, then re-enter the correct page number.

Page Catching

- Select a teletext page which has several page numbers on it (e.g., the index page).
- Press OK **①**.
- Page Catching is displayed.
- Select the desired page number using **▲** or **▼** **①** and press OK.
- The requested page is displayed after some seconds.



Selecting the next or the preceding page

- Press **OK** **②** (Page +) or **OK** **③** (Page -).

Selecting the index page

- Press **OK** **②**.

Selecting a subpage

- A teletext page may consist of several subpages. In this case an information line is displayed, showing the number of subpages.
- Select the mode by pushing **▲**. Select the subpage by using **▲** or **▼**.



Freezing a Teletext subpage

- Press **OK** **④** or **OK** **⑤**.
- The symbol **⊕** is displayed and the subpage is not updated.
- Press **OK** to resume normal teletext reception.



Using Fastext*

*depending on availability of service

- ①** Fastext lets you access pages with one button stroke. When Fastext is broadcast, a colour-coded menu appears at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons **⑨**, **⑩**, **⑪**, **⑫** on the Remote Control.
- Press the coloured button which corresponds to the colour in the colour-coded menu.

Teletext

Using the Teletext Menu

- This TV set has a menu-guided teletext system. When teletext is switched on you can use the joystick buttons to operate the teletext menu.

Select the menu functions as follows:

- Press MENU **②**.
- The Teletext menu is superimposed onto the teletext display.
- Select the teletext function using **▲** or **▼** **①**. Push **▶** to enter.

Top/Bottom/Full

- For convenient reading of a Teletext page you can enlarge it.
- After having selected the function a sub menu **Top**, **Bottom**, **Full** OK is displayed.
 - Push **▲** to enlarge the upper half of the screen, push **▼** to enlarge the lower half. Press OK to resume the normal size.
 - Press **OK** to resume the normal Teletext operation.



Top: **▲** Bottom: **▼** Full: **OK**



Text Clear

- After having selected the function, you can watch a TV channel while waiting for a required Teletext page. As soon as the page is available, the symbol **⊕** changes colour.
- Press **OK** to view the page.

Reveal

- Some teletext pages contain hidden information (e.g., for a quiz), which you can reveal.
- After having selected the function, the hidden information appears.
- Press **OK** to resume the normal Teletext operation.

Time Page*

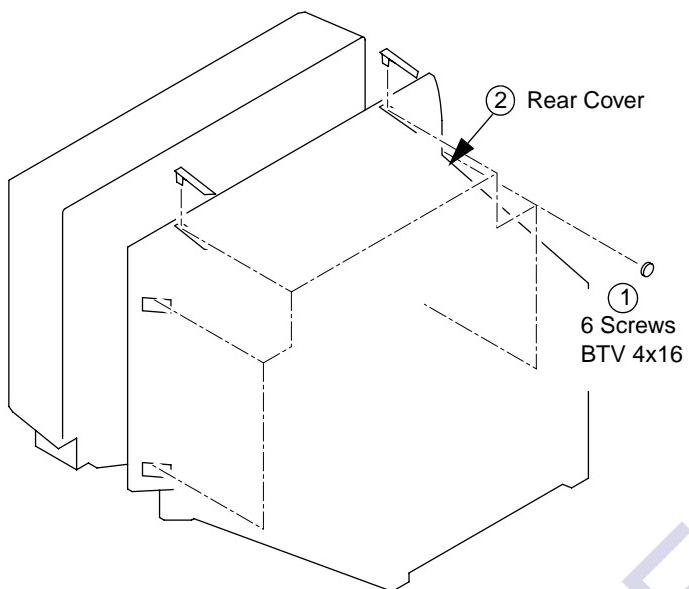
*depending on availability of service

- You can call up a time-coded page - such as an alarm page - at a time specified by you.
- After having selected the function a sub menu is displayed.
- Select On using **▲** or **▼**. Push **▶** to enter.
- Enter the three digits of the desired page using the number buttons **⑦**.
- Enter the four digits of the desired time using the number buttons **⑦**.
- Press OK to store.
- The time is displayed in the top left-handed corner of the screen.
At the requested time the page is displayed.

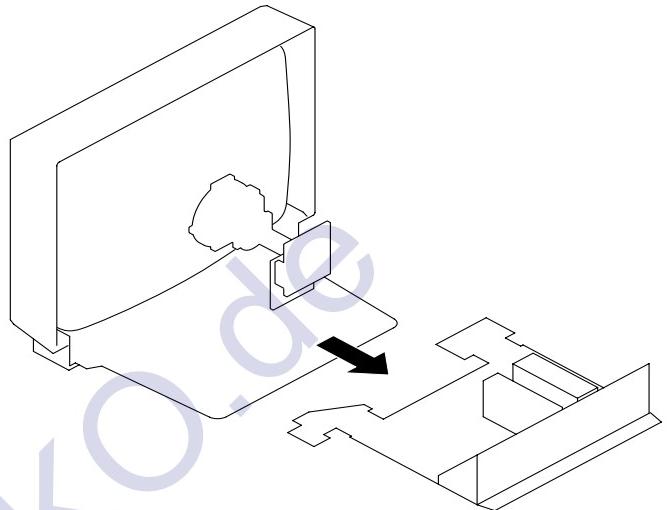


SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL



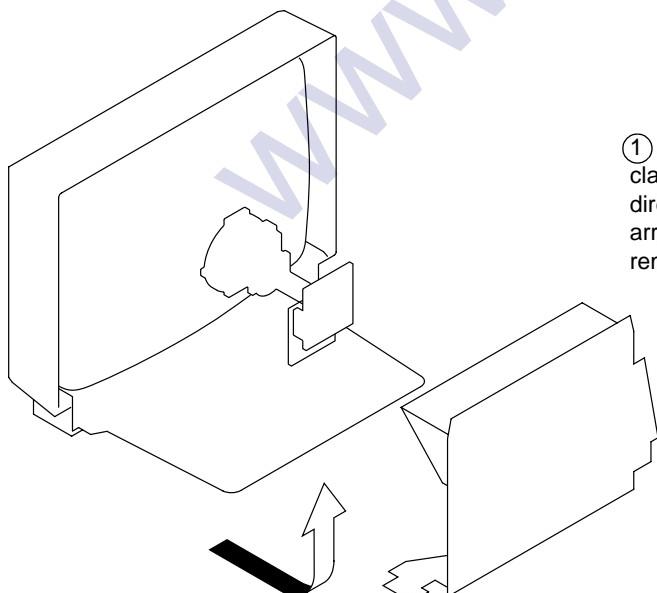
2-2. CHASSIS ASSY REMOVAL



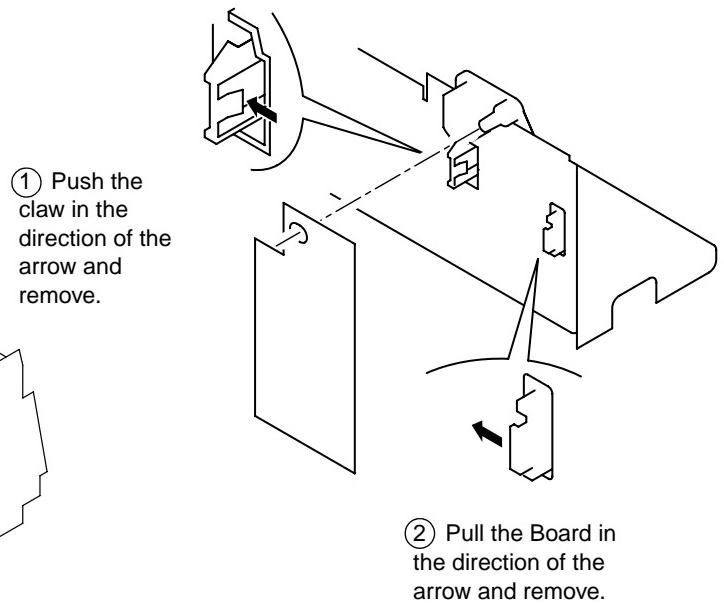
CAUTION:

Take care not to damage the C Board when removing or refitting the rear cover.

2-3. SERVICE POSITION

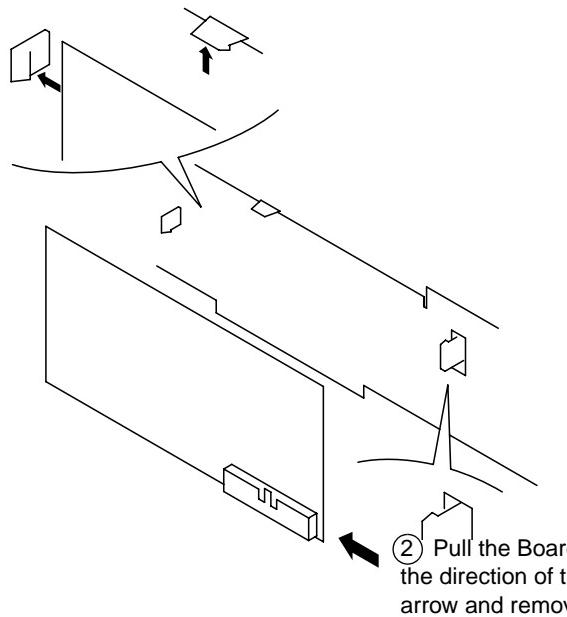


2-4. U BOARD REMOVAL



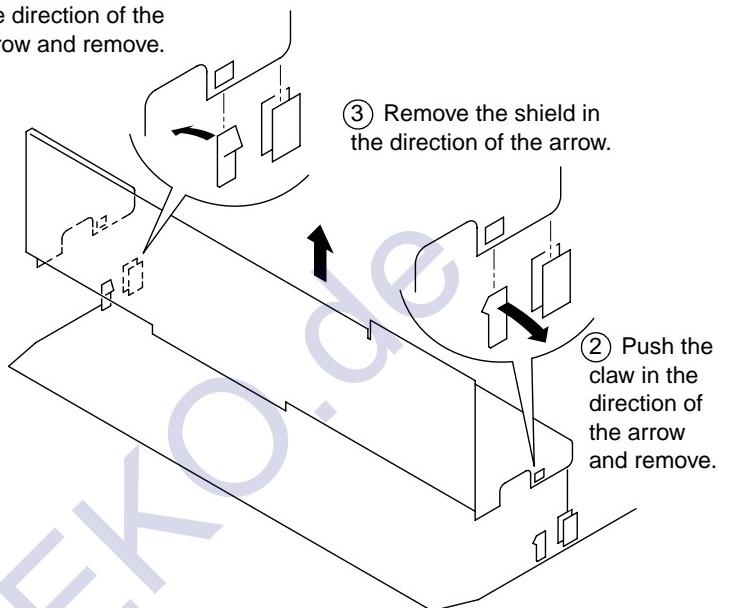
2-5. J BOARD REMOVAL

- ① Push the claw in the direction of the arrow and remove.



2-6. J SHIELD REMOVAL

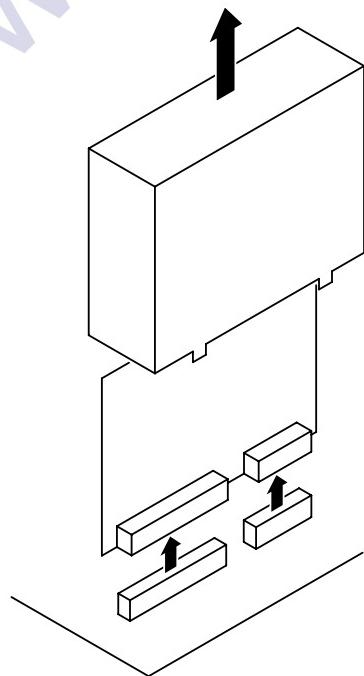
- ① Push the claw in the direction of the arrow and remove.



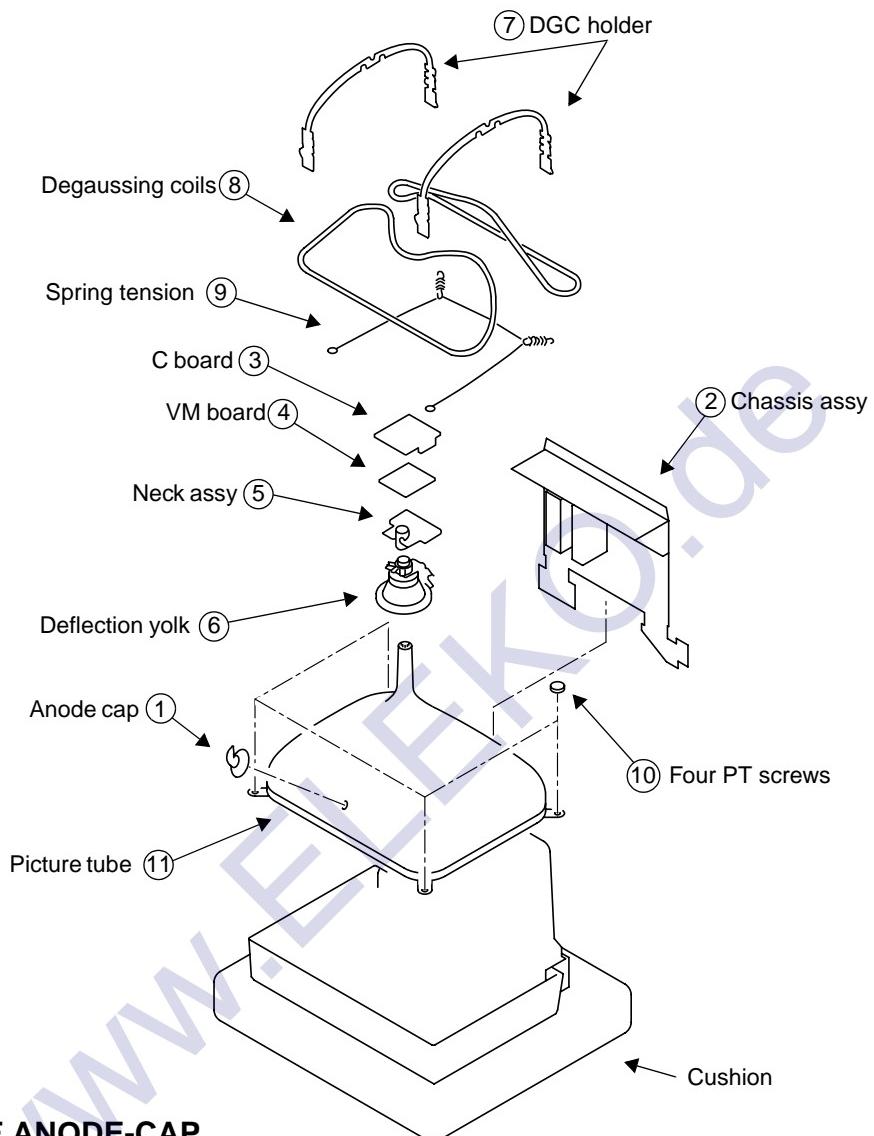
2-7. B1 BOARD REMOVAL

NOTE

All other boards are removed in a similar manner to those shown



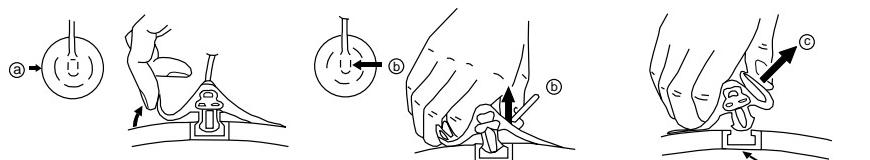
2-8. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

Note : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

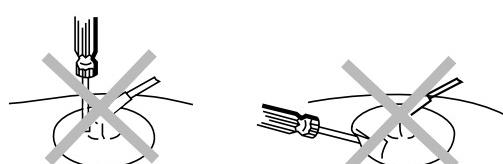
* REMOVING PROCEDURES.



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②
- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ③

• HOW TO HANDLE THE ANODE-CAP

- ① To prevent damaging the surface of the anode-cap do not use sharp materials.
- ② Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- ③ A metal fitting called a shatter hook terminal is fitted inside the rubber cap. Do not turn the rubber foot over excessively this may cause damage if the shatter hook sticks out.



REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed.

This is performed by cutting the gates with a sharp wire cutter at the locations indicated by arrows.

Note : There are 4 plates fitted to the main bracket and secured by 4 gates.

Only remove the necessary plate to gain access to the printed wiring board.

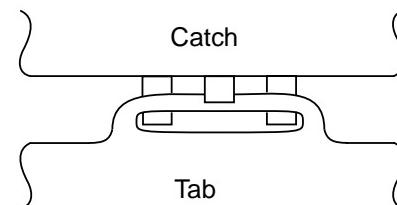
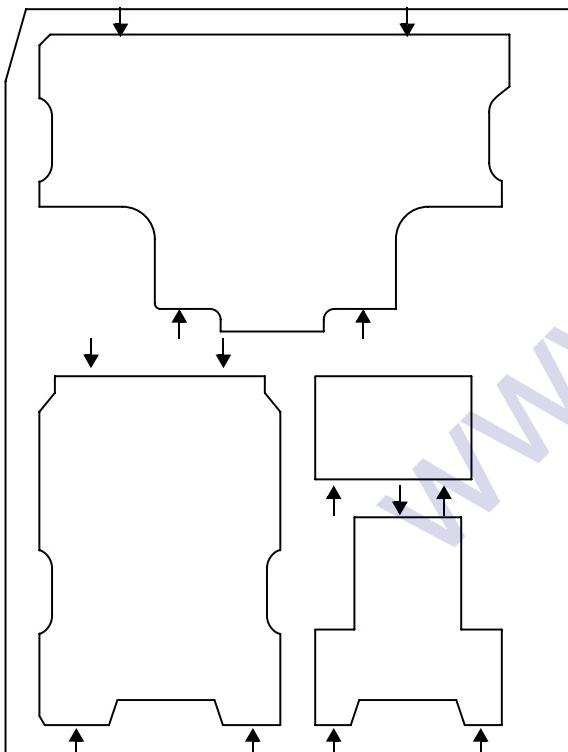


For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from the cut position to allow the tabs to be fitted in the catch positions.



SECTION 3

SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast normal

Brightness normal

Carry out the following adjustments in this order:

- 3-1. Beam Landing
- 3-2. Convergence
- 3-3. Focus
- 3-4. White balance

Note: Test equipment required

1. Color bar/pattern generator.
2. Degausser.
3. Digital multimeter.
4. Oscilloscope.

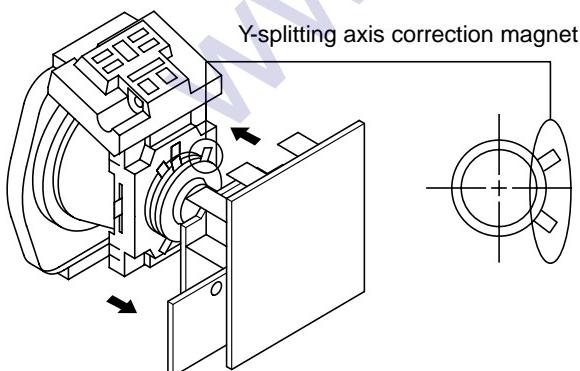
3-1. BEAM LANDING

Preparation:

1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
2. Switch on the set's power and degauss with the degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis

1. Input a crosshatch signal from the pattern generator.
2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
3. Position the neck assembly as indicated in Fig 3-2.
4. Move the deflection yolk as far forward as is possible.
5. Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly.
6. Return the deflection yolk to its original position.



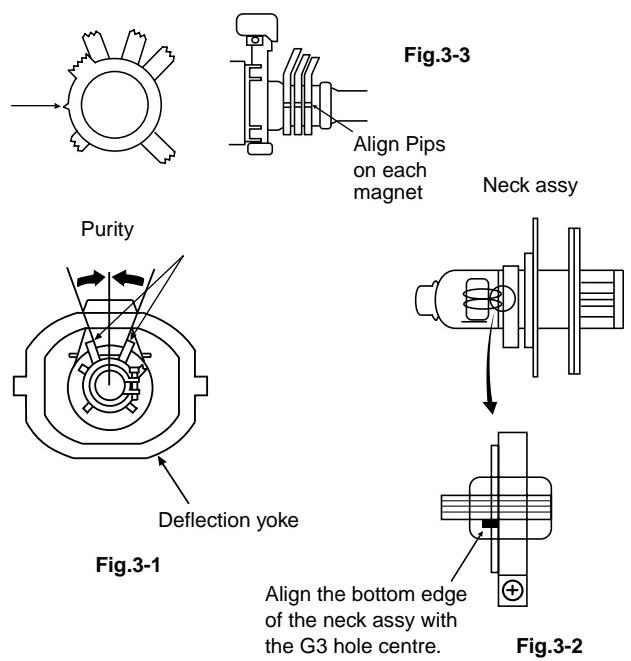
Caution :

High voltages are present on the Deflection yolk terminals - take care when handling the Deflection yolk whilst carrying out adjustments.

(2) Landing

Note : Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-3].

1. Input an all-white signal from the pattern generator. Maximize the picture setting and adjust the Brightness setting.
2. Rough-adjust the focus and horizontal convergence.
3. Loosen the deflection yolk screws and align the purity adjustment knob to its central position. [See Fig.3-1].
4. Switch from the all-white pattern to an all-green pattern.
5. Move the deflection yolk backwards and adjust with the purity magnet so that the green is at the centre and it aligns symmetrically. [See Fig.3-4].
6. Move the deflection yolk forward and adjust so that the entire screen becomes green.
7. Switch the raster signal to red, then to blue and verify the landing condition.
8. When the position of the deflection yolk has been determined, fasten the deflection yolk with the screw.
9. If the beam does not land correctly in all the corners of the screen, use magnets to correct it. [See Fig.3-5].



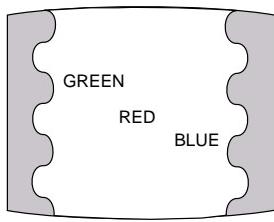


Fig.3-4

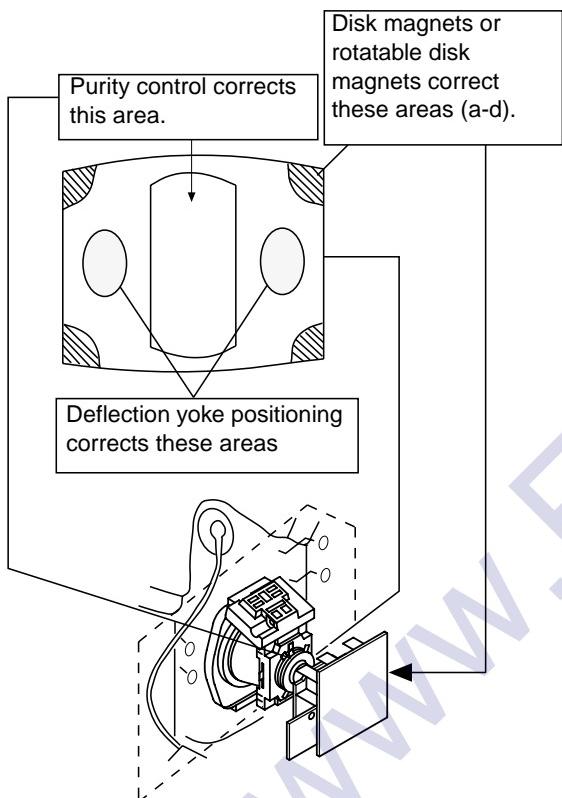
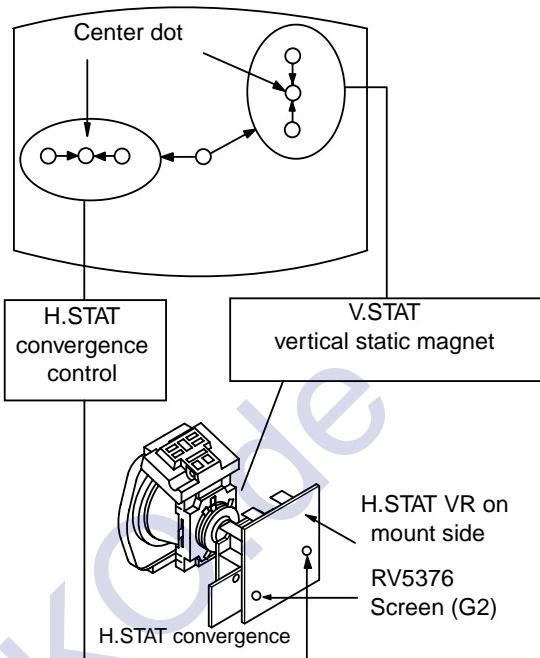


Fig. 3-5

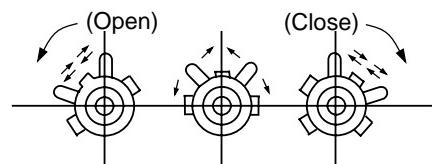
3-2. CONVERGENCE

(1) Screen centre convergence [Static convergence]

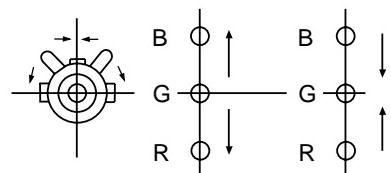
1. Input a dot signal from the pattern generator.
Normalize the picture setting.
2. [Moving horizontally], adjust the H.STAT control so that the horizontal red, green and blue dots coincide at the centre of the screen.
3. [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



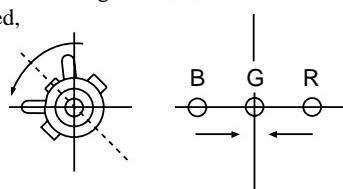
- If the horizontal dots are unable to coincide with the variable range of the H.STAT convergence, adjust together with the V.STAT convergence while tracking.
[Adjust the convergence by tilting the V.STAT convergence or by opening and closing the V.STAT convergence.]



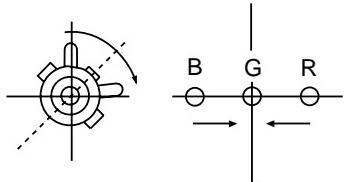
4. Movement of the red, green and blue dots by tilting the V.STAT magnet and by opening or closing the V.STAT magnet.
 - a). By opening or closing the V.STAT magnet, the red, green and blue dots move as indicated below.



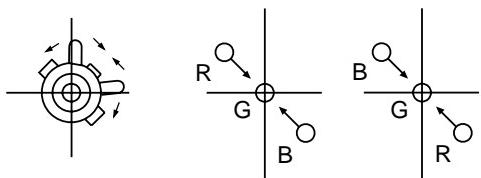
- b). By rotating the V.STAT magnet counter clockwise, the red, green and blue dots move as indicated below.



- c). By rotating the V.STAT magnet clockwise, the red, green and blue dots move in the direction indicated below.



- d). By opening or closing the V.STAT magnet, the red, green and blue dots move in the direction indicated below.

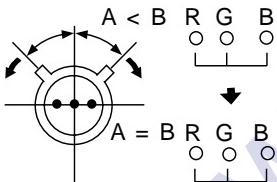


Note : If the blue dot does not coincide with the red and green points correct the points by using the BMC [Hexapole] magnet.

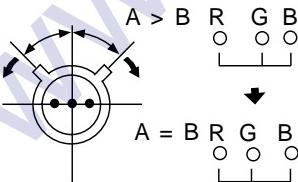
5. Correction for HMC [horizontal mis-convergence] and VMC [vertical mis-convergence] by using the BMC [Hexapole] magnet.

- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.

HMC correction(A)

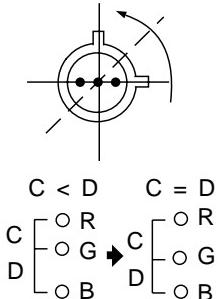


HMC correction(B)

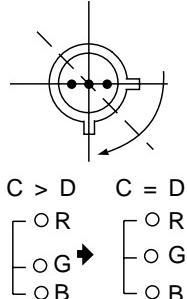


- b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

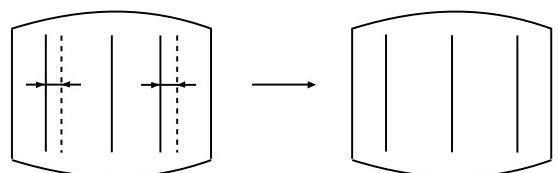
VMC correction(A)



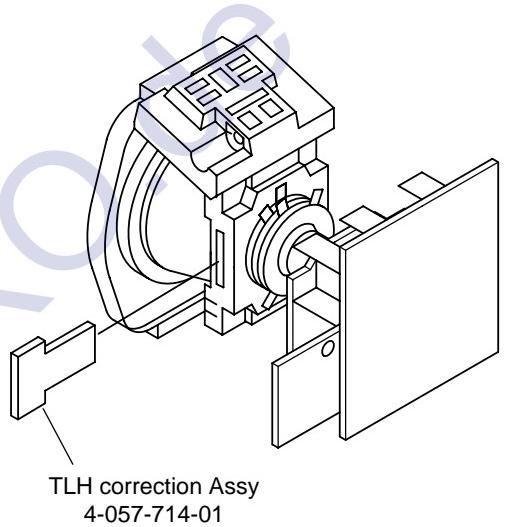
VMC correction(B)



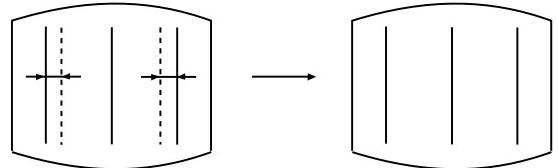
HAMP



7. HTIL correction can be performed by adding a THL correction ASSY to the DY.



HTIL



Layout of each control

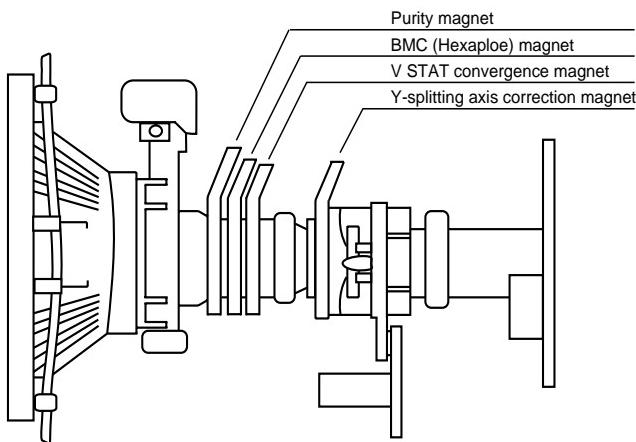
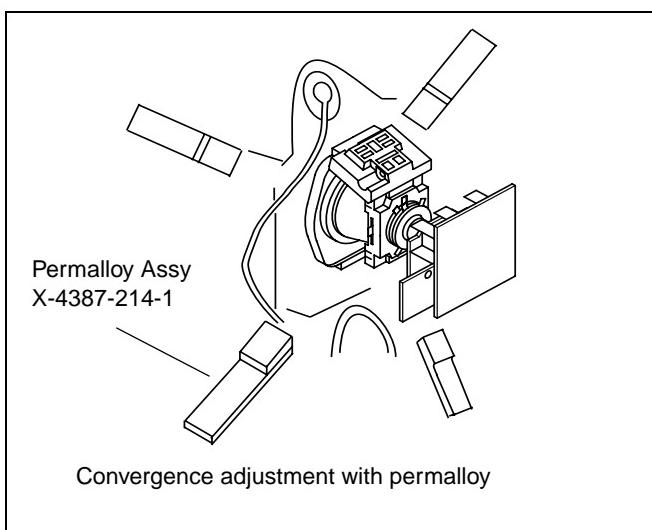
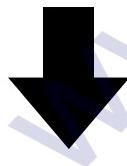
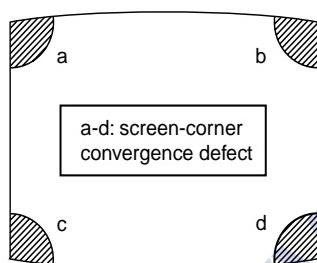


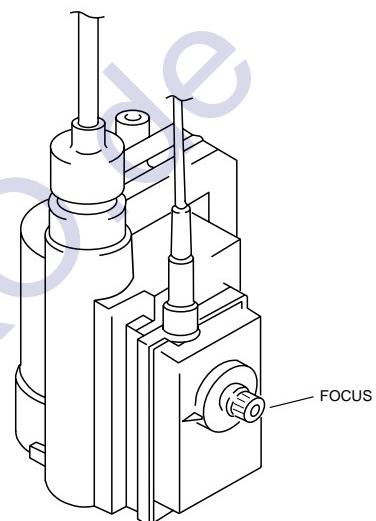
Fig 3-5

Note : If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloys.



3-3. FOCUS

1. Receive a television broadcast signal.
2. Normalize the picture setting.
3. Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
Bring only the centre area of the screen into focus, the magenta-ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



3-4. SCREEN (G2), WHITE BALANCE

[Adjustment in the service mode using the remote commander]

G2 adjustment (RV5376)

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 175V DC from an external power supply to the R, G and B cathodes of the CRT.
4. Whilst watching the picture, adjust the G2 control RV5376 [SCREEN] located on the C Board to the point just before the flyback return lines disappear.

White balance adjustment for TV mode

1. Input an all-white signal.
2. Enter into the Service Mode by pressing ‘TEST’, ‘TEST’ and ‘MENU’ ‘MENU’ on the Service Commander.
3. Select ‘Backend’ from the on screen menu display and press ‘OK’.
4. The ‘Backend’ menu will appear on the screen.
5. Set the contrast to MAX.
6. Set the ‘R DRIVE’ to 41.
7. Adjust the ‘G DRIVE’ and ‘B DRIVE’ so that the white balance becomes optimum.
8. Press the ‘OK’ button to write the data for each item.
9. Set the contrast to MIN.
10. Set the ‘R CUT-OFF’ to 31.
11. Adjust the ‘G CUT-OFF’, and ‘B CUT-OFF’ with the left and right buttons on the remote commander so that the white balance becomes optimum.
12. Press the ‘OK’ button to write the data for each item.

Backend						
No	Descr.	Def	Min	Max	Data	
1	R-on	ON	OFF	ON	ON	
2	G-on	ON	OFF	ON	ON	
3	B-on	ON	OFF	ON	ON	
4	D-col	OFF	OFF	ON	ON	
5	Color-axis	2	0	3	2	
6	Contrast	63	0	63	63	
7	Limit-Luv	3	0	3	3	
8	Hue	31	0	63	31	
9	Colour	31	0	63	28	
10	CTI -Level	2	0	3	2	
11	Brightness	31	0	63	31	
12	Gamma	2	0	3	2	
13	Sharpnes	31	0	63	44	
14	LTI-Level	0	0	3	0	
5	R-Drive	41	0	63	40	
6	BLK-Bottom	0	0	3	0	
7	G-Drive	41	0	63	38	
18	ABL-TH	0	0	3	0	
19	B-Drive	41	0	63	21	
20	ABL-Mode	2	0	3	2	
21	Sub Bright	31	0	63	32	
22	VM-Level	2	0	3	2	
23	R-Cutoff	31	0	63	41	
24	Preover	2	0	3	2	
25	G-Cutoff	31	0	63	45	
26	DPIC-Level	2	0	3	2	
27	B-Cutoff	31	0	63	48	
28	DC-Tran	1	0	3	1	
29	Sub-Cont	7	0	15	7	
30	LRGB2-Lvl	12	0	15	12	
31	P-Abl	15	0	15	15	
32	DL-Pass	OFF	OFF	ON	OFF	
33	Sharp.Fo	ON	OFF	ON	ON	
34	Aging-W	OFF	OFF	ON	OFF	
35	Aging-B	OFF	OFF	ON	OFF	
36	CB-offset1	7	0	15	7	
37	CR-offset1	7	0	15	7	
38	CB-offset2	7	0	15	7	
39	CR-offset2	7	0	15	7	
40	Sub Colour	0	-8	8	-1	

SECTION 4

CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

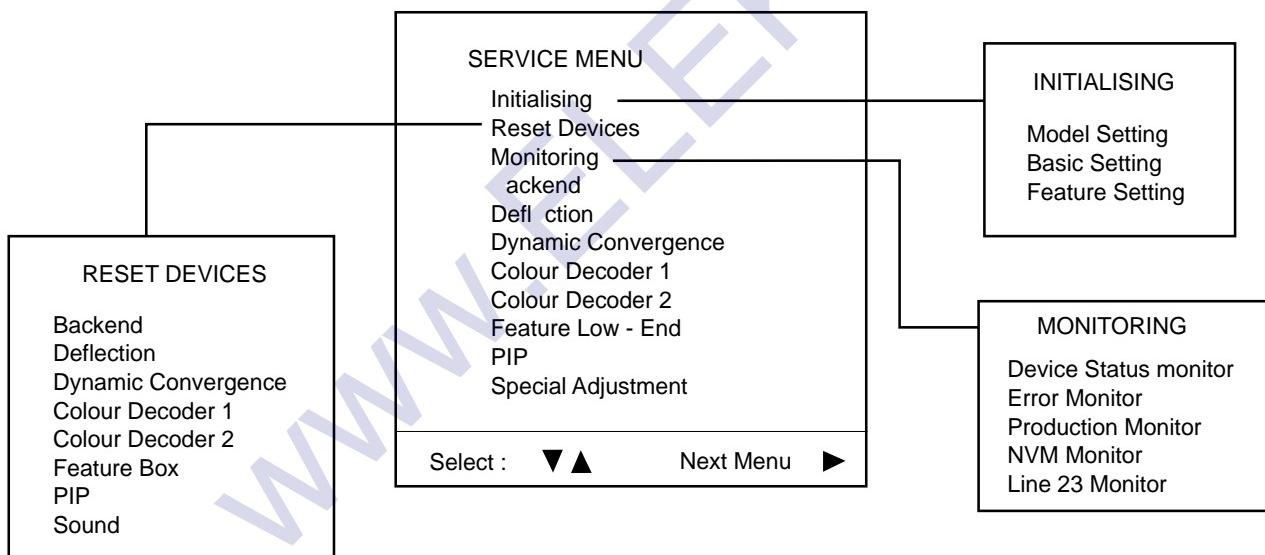
Service adjustments to this model can be performed using the supplied Remote Commander RM-891.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing PROG + (plus) and PROG - (minus) buttons on the top panel.



2. "TT" will appear in the upper right corner of the screen.
3. Press the 'MENU' button twice on the remote commander to obtain the service menu on the screen.



4. Push the joystick up or down on the remote commander to select the adjustment item.
5. Push the right button to proceed to the next menu.
6. If the required adjustment item is 'Deflection', push the down button to move to 'Deflection'.
7. Push the joystick to the right to enter into 'Deflection'.
8. Change the data in order to comply with each standard.

NOTE:

- Before performing any adjustments assure that the correct model has been selected in the Model Setting menu.
- After carrying out the service adjustments, to prevent the customer accessing the Service Menu switch the TV set OFF and then ON.

Model Setting				
1	KV-29FX60A/D/E			
2	KV-29FX60B			
3	KV-29FX60U			
4	KV-29FC60A/D/E			
5	KV-29FC60B			
6	KV-29FC60K			
7	KV-29FC60R			
8	KV-29FS60A/D/E			
9	KV-29FS60B			
10	KV-29FS60K			
11	KV-29FS60R			
12	KV-28/32FX60A/D/E			
13	KV-28/32FX60B			
14	KV-28/32FX60K			
15	KV-28/32FX60R			
16	KV-28/32FX60U			
17	KV-29FS60A/D/E			
18	KV-29FS60B			

Fig.4-1

Basic setting				
No	Descr.	Min	Max	Data
1	Sys.B/G	OFF	ON	ON
2	Sys.D/K	OFF	ON	ON
3	Sys.L	OFF	ON	ON
4	Sys I (UK)	OFF	ON	OFF
5	Sys I (IRL)	OFF	ON	OFF
6	Russian sound	OFF	N	OFF
7	TXT Nod.option	1	4	3
8	simple PAT	OFF	ON	OFF
9	16:9 CRT	OFF	ON	OFF
10	Sub-woofer	OFF	ON	ON
11	Auto stand-by	OFF	ON	ON
12	comb-filter	OFF	ON	OFF
13	Auto YC det	OFF	ON	ON
14	Auto comb det	OFF	ON	OFF
15	AV2 Available	OFF	ON	ON
16	AV3 Available	OFF	ON	ON
17	AV4 Available	OFF	ON	OFF
18	AV3 Front & rear	OFF	ON	ON
19	SECAM Tape	OFF	ON	OFF

Fig.4-2

NOTE:

The above table is dependant on model, destination & size.

Backend					
No	Descr.	Def	Min	Max	Data
1	R-on	ON	OFF	ON	ON
2	G-on	ON	OFF	ON	ON
3	B-on	ON	OFF	ON	ON
4	D-col	OFF	OFF	ON	ON
5	Color-axis	2	0	3	2
6	Contrast	63	0	63	63
7	Limit-Luv	3	0	3	3
8	Hue	31	0	63	31
9	Colour	31	0	63	28
10	CTI -Level	2	0	3	2
11	Brightness	31	0	63	31
12	Gamma	2	0	3	2
13	Sharpne s	31	0	63	44
14	LTI-Level	0	0	3	0
5	R Drive	41	0	63	40
6	BLK-Bottom	0	0	3	0
17	G-Drive	41	0	63	38
18	ABL-TH	0	0	3	0
19	B-Drive	41	0	63	21
20	ABL-Mode	2	0	3	2
21	Sub Bright	31	0	63	32
22	VM-Level	2	0	3	2
23	R-Cutoff	31	0	63	41
24	Preover	2	0	3	2
25	G-Cutoff	31	0	63	45
26	DPIC-Level	2	0	3	2
27	B-Cutoff	31	0	63	48
28	DC-Tran	1	0	3	1
29	Sub-Cont	7	0	15	7
30	LRGB2-Lvl	12	0	15	12
31	P-Abl	15	0	15	15
32	DL-Pass	OFF	OFF	ON	OFF
33	Sharp.Fo	ON	OFF	ON	ON
34	Aging-W	OFF	OFF	ON	OFF
35	Aging-B	OFF	OFF	ON	OFF
36	CB-offset1	7	0	15	7
37	CR-offset1	7	0	15	7
38	CB-offset2	7	0	15	7
39	CR-offset2	7	0	15	7
40	Sub Colour	0	-8	8	-1

Fig.4-3

Feature setting					
No	Descr.	Min	Max	Data	
1	PIP	OFF	ON	ON	

Fig.4-4

Deflection					
No	Descr.	Def	Min	Max	Data
1	V-Size	31	0	63	34
2	V-Position	31	0	63	21
3	V-Comp	1	0	3	1
4	V-Linear	7	0	15	7
5	S-Corr	7	0	15	8
6	H-Size	31	0	63	29
7	EW-DC	OFF	OFF	ON	OFF
8	Pin-Amp	31	0	63	36
9	Up-Cpin	31	0	63	35
10	M-Pin	2	0	3	2
11	Lo-Cpin	31	0	63	37
12	Trapezium	7	0	15	7
13	H-Position	31	0	63	25
14	AFC-B w	7	0	15	7
15	A C-Angle	7	0	15	9
16	Up Vlin	0	0	15	0
17	L Vlin	0	0	15	0

Fig.4-7

Colour Decoder 1					
No	Descr.	Def	Min	Max	Data
1	DelayLinMd	OFF	OFF	ON	OFF
2	Gain set	1	0	3	1
3	Y-Delay	7	0	15	7
4	Phase Time	0	0	3	0
5	Vid Ident Md	OFF	OFF	ON	OFF
6	Sync Mode	OFF	OFF	ON	OFF
7	Vid Ident Sw	ON	OFF	ON	ON
8	H-Output	OFF	OFF	ON	OFF
9	Enagating	OFF	OFF	ON	OFF
10	IF Circuit	ON	OFF	ON	ON
11	GP Delay	OFF	OFF	ON	OFF

Fig.4-5

Colour Decoder 2					
No	Descr.	Def	Min	Max	Data
1	DelayLinMd	OFF	OFF	ON	OFF
2	Gain set		0	3	1
3	Y-Delay	7	0	15	7
4	Phase Time	0	0	3	0
5	Vid Ident Md	OFF	OFF	ON	OFF
6	Sync Mode	OFF	OFF	ON	OFF
7	Vid Ident Sw	ON	OFF	ON	ON
8	H-Output	OFF	OFF	ON	OFF
9	Enagating	OFF	OFF	ON	OFF
10	IF Circuit	ON	OFF	ON	ON
11	GP Delay	OFF	OFF	ON	OFF

Fig.4-6

Dynamic Convergence					
No	Descr.	Def	Min	Max	Data
1	Range	63	0	63	32
2	H Stat	33	0	63	33
3	H amp L	37	0	63	37
4	H amp R	36	0	63	36
5	Up Y	31	0	63	31
6	Low Y	33	0	63	33
7	Y Up L	30	0	63	30
8	Y Up R	30	0	63	30
9	Y Low L	31	0	63	31
10	Y Low R	30	0	63	30
11	Mbow Up L	31	0	63	31
12	Mbow Up R	32	0	63	32
13	Mbow Low L	32	0	63	32
14	Mbow Low R	32	0	63	32
15	V Stat	32	0	63	32
16	Linearity	128	0	255	104
17	H Centre	32	0	63	32
18	H Trap	32	0	63	32
19	Rotation	0	0	255	0
20	Focus Phase	128	0	255	128

Fig.4-8

Feature Low-End						Feature Low-End(Cont.)					
No	Descr.	Def	Min	Max	Data	No	Descr.	Def	Min	Max	Data
1	F.S.F.M	OFF	OFF	ON	OFF	41	Hbdasta	223	0	255	223
2	G-Mode	OFF	OFF	ON	OFF	42	Hbdasto	222	0	255	222
3	Picture Pos	0	0	3	0	43	Hresta	38	0	255	38
4	Comp Mode	OFF	OFF	ON	OFF	44	Hresto	202	0	255	202
5	CompSW	OFF	OFF	ON	OFF	45	Hblndsta	31	0	255	31
6	Acqu.freq	OFF	OFF	ON	OFF	46	Hblndsto	30	0	255	30
7	Still Pic	OFF	OFF	ON	OFF	47	MsbHblndsta	OFF	OFF	ON	OFF
8	Init	OFF	OFF	ON	OFF	48	MsbHblndsto	OFF	OFF	ON	OFF
9	Dis Feature	ON	OFF	ON	ON	49	Msb Hresto	ON	OFF	ON	ON
10	Dis Vlimit	ON	OFF	ON	ON	50	Msb Hresta	OFF	OFF	ON	OFF
11	Scr Fade	0	0	3	0	51	Msbhbdasta	ON	OFF	ON	ON
12	Hwe Delay	20	0	255	20	52	Msbhbdasto	ON	OFF	ON	ON
13	Auto Vshift	OFF	OFF	ON	OFF	53	Msbhdav to	ON	OFF	ON	ON
14	Vwe Delay	0	0	127	0	54	Msbhdavsa	OFF	OFF	ON	OFF
15	SFR sw	OFF	OFF	ON	OFF	5	Hddel	0	0	15	0
16	IPQ	0	0	3	0	6	Clvsta	0	0	255	0
17	D.Col Dec	OFF	OFF	ON	OFF	7	Clvsto	9	0	255	9
18	Blankfield	0	0	15	0	58	Hwesta	44	0	255	44
19	P1.5	OFF	OFF	ON	OFF	59	Hwesto	208	0	255	208
20	P1.4	OFF	OFF	ON	OFF	60	Ex-Thres	OFF	OFF	ON	OFF
21	P1.3	OFF	OFF	ON	OFF	61	Wes	ON	OFF	ON	OFF
22	P1.2	OFF	OFF	ON	OFF	62	Demo mode	ON	OFF	ON	OFF
23	P1.1	OFF	OFF	ON	OFF	63	Limerick NR	0	0	4	0
24	Set Vdba	OFF	OFF	ON	OFF	64	Nthr	0	0	255	2
25	Set Sidep	ON	OFF	ON	ON	65	Wval	200	0	255	200
26	Set Hwe	OFF	OFF	ON	OFF	66	Agc Ych	203	0	255	203
27	Set Clv	OFF	OFF	ON	OFF	67	Agc Uvch	209	0	255	209
28	Set Hddel	OFF	OFF	ON	OFF	68	Aal-Bypass	OFF	OFF	ON	OFF
29	Set Hblnd	OFF	OFF	ON	OFF	69	Stby Fr	OFF	OFF	ON	OFF
30	Set Hre	ON	OFF	ON	ON	70	Lsb Agc-Uv	OFF	OFF	ON	OFF
31	Set Hbda	ON	OFF	ON	ON	71	Lsb Agc-Y	OFF	OFF	ON	OFF
32	Set Hdav	ON	OFF	ON	ON	72	Vcl cor	0	0	3	0
33	Vbdasta	0	0	255	0	73	Ucl cor	0	0	3	0
34	Vsdasto	0	0	255	0	74	Uv cor mode	0	0	3	0
35	Msbhwesto	OFF	OFF	ON	OFF	75	Uvcl tau	3	0	3	3
36	Msbhwesta	OFF	OFF	ON	OFF	76	Uvcol Lvl	0	0	3	0
37	Msbvbdasto	OFF	OFF	ON	OFF	77	Fil Mem	OFF	OFF	ON	OFF
38	Msbvbdasta	OFF	OFF	ON	OFF	78	Overl Thr	1	0	3	1
39	Hdavsta	40	0	255	40	79	Y delay f	4	0	7	4
40	Hdavsto	255	0	255	255	80	Dcti pdxsel	ON	OFF	ON	ON

Fig.4-9

Feature Low-End (Cont.)						PIP					
No	Descr.	Def	Min	Max	Data	No	Descr.	Def	Min	Max	Data
81	Dcti Thres	0	0	15	0	1	Freeze	OFF	OFF	ON	OFF
82	Dcti Gain	0	0	7	0	2	Frame	ON	OFF	ON	ON
83	Dcti Super	ON	OFF	ON	ON	3	Pipon	ON	OFF	ON	OFF
84	Dcti Fil	ON	OFF	ON	ON	4	Seldel	1	0	15	1
85	Dcti Prot	ON	OFF	ON	ON	5	Mixdis	ON	OFF	ON	ON
86	Dcti Sep	ON	OFF	ON	ON	6	H-Poshi	0	0	3	0
87	Dcti Limit	2	0	3	2	7	H-Pos	137	0	255	137
88	Peak Beta	0	0	7	0	8	V-Pos	59	0	255	59
89	Peak Alpha	2	0	7	2	9	Y-Delay	0	0	7	0
90	Peak Neg g	0	0	3	0	10	V-Dec	OFF	O F	ON	OFF
91	Peak Delta	0	0	3	0	11	H-Dec	OFF	OFF	ON	OFF
92	Peak Tau	0	0	7	0	12	Insvh	ON	OFF	ON	ON
93	Peak Corth	0	0	15	0	13	Chrins	ON	OFF	ON	ON
94	Overlay V	0	0	15	0	14	Pmod	0	0	3	0
95	Overlay U	0	0	15	0	15	Im d	0	0	3	0
96	Overlay Y	10	0	255	10	16	Cl	ON	OFF	ON	ON
97	Sidep sta	240	0	255	240	17	H ide	4	0	15	4
98	Sidep sto	36	0	255	36	18	Vsiisq	OFF	OFF	ON	OFF
99	Y delay B	7	0	7	7	19	Vsidel	0	0	31	0
100	Invert UV	ON	OFF	ON	ON	20	Parasynd	ON	OFF	ON	ON
101	Output Range	ON	OFF	ON	ON	21	Vspisq	OFF	OFF	ON	OFF
102	Sidep Fdel	0	0	3	0	22	Vspdcl	10	0	31	10

Fig.4-10

Sound					
No	Descr.	Def	Min	Max	Data
1	Ref.Level	40	0	20	40
2	Auto-gain	ON	OFF	ON	ON
3	Ana-in	0	0	1	0
4	Corr-mute	ON	OFF	ON	ON
5	Clock out	ON	OFF	ON	ON
6	AM-gain	ON	OFF	ON	ON
7	Clip mode	0	0	2	0
8	SCART1 Vol	79	0	127	79
9	SCART2 Vol	79	0	127	79
10	SCART Pr	27	0	127	27
11	Izs1-pr	16	0	127	16
12	Izs2-pr	16	0	127	16
13	FM pr	27	0	127	27
14	BG Nic-pr	53	0	127	53
15	L Nic-pr	59	0	127	59
16	DK Nic-pr	53	0	127	53
17	I Nic-pr	97	0	127	97
18	Irl Nic-pr	97	0	127	97
19	AVC-Decay	2	0	8	2
20	Subw-vol	0	0	-127	0
21	Subw-freq	20	5	40	20
22	Subw-Hpuss	OFF	OFF	ON	OFF
23	Spat-stre	127	0	-1	12
24	Spat-Coeff	0	0	8	0
25	Bass offs	0	-3	3	0
26	Treble offs	0	-3	3	0
27	Loudn offs	0	0	9	0
28	Hp-voloffs	-2	-5	5	-2
29	M-S Limit	30	28	127	30
30	M-B Limit	30	-128	127	-30
31	S-M Limit	12	-128	127	12
32	S-B Limit	-20	-128	127	-20
33	B-M Limit	-12	-128	127	-12
34	B-S Limit	20	-128	127	20
35	Err.Max	40	0	255	40
36	Err.Min	14	0	255	18

Fig.4-11

Special Adjustment					
No	Descr.	Min	Max	Data	
1	RGB Level	0	7	0	
2	RGB Gain	0	31	9	
3	RGB PatLevel	0	7	7	
4	RGB Patgain	0	31	31	
5	RGB H-position	-10	10	-1	
6	Extra Fw	0	255	255	
7	EPG Chks Check	OFF	ON	ON	
8	Slicer High	OFF	ON	ON	
9	FCW Wide	OFF	ON	ON	
10	High PII	OFF	ON	OFF	
11	Panic offset	0	2	0	
12	Wide Mute	OFF	ON	ON	

Fig 4-12

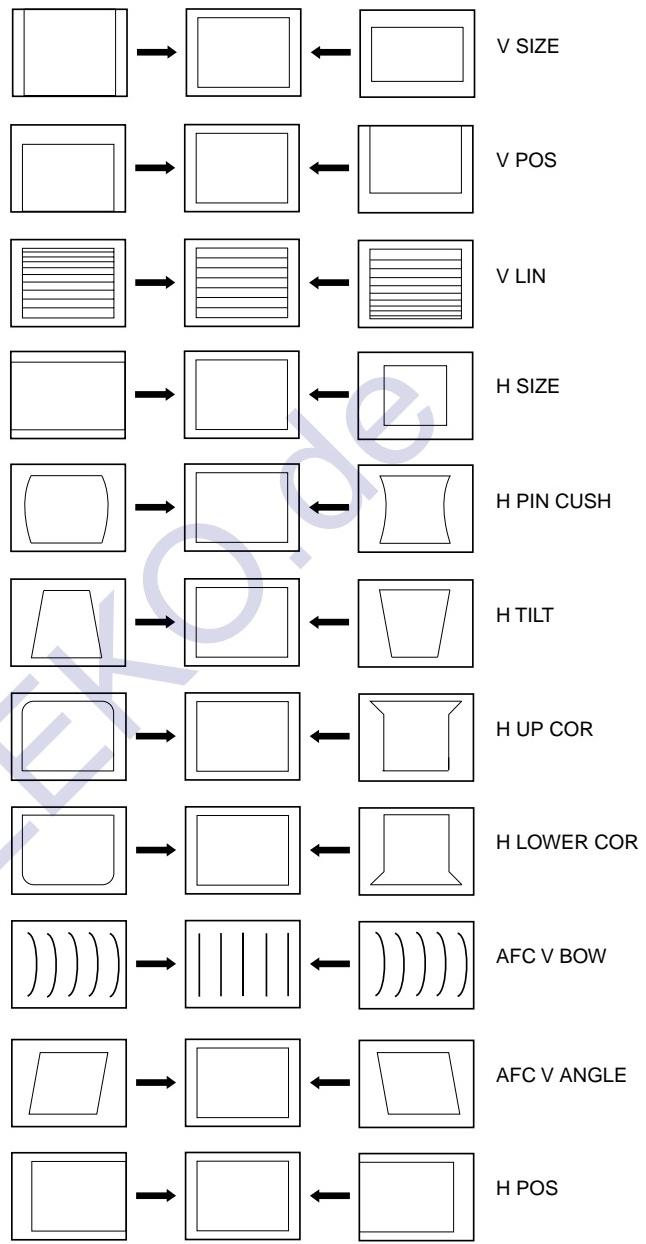
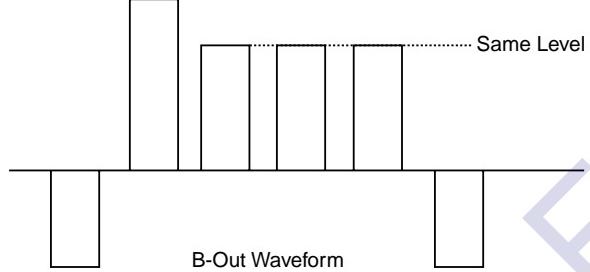
DEFLECTION SYSTEM ADJUSTMENT

1. Enter into the service mode and select 'Deflection'. The 'Deflect' adjustment menu will be displayed.
2. Select and adjust each item to obtain the optimum image.

4-2.VOLUME ELECTRICAL ADJUSTMENTS

Sub Colour Adjustment

1. Input a PAL colour bar signal.
2. Connect an oscilloscope to CN5400 pin 5 on the C board.
3. Enter into the 'SERVICE MODE'.
4. Choose 'Backend'.
5. Adjust Sub Colour data so that the right sides of the waveforms are of equal height.



4-3. TEST MODE 2:

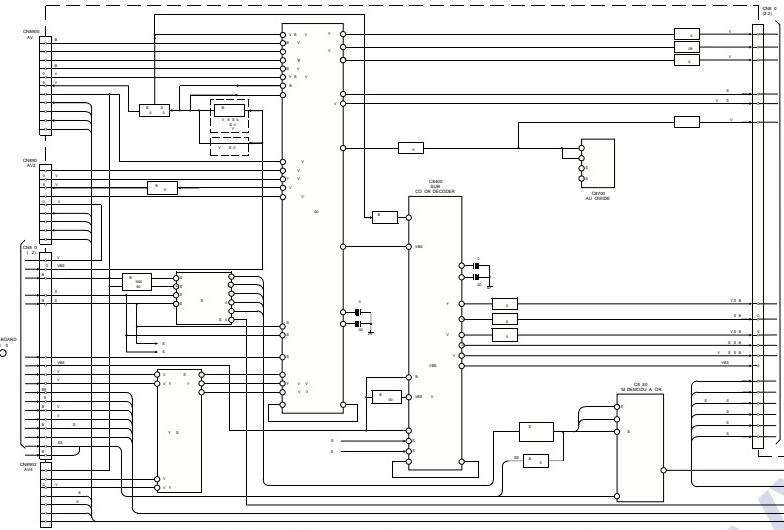
Is available by pressing 'TEST' button twice, OSD 'TT' appears. The functions described below are available by pressing the two numbers. To release the Test mode 2, press 0, 10, 20 ... twice or switch the TV set into Stand-by Mode. Pressing the two Local Control buttons (+ and -) during Power ON will also switch into 'TT' mode.

In 'TT' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the menu to reappear. The Function is kept even when the menu is not displayed !!.

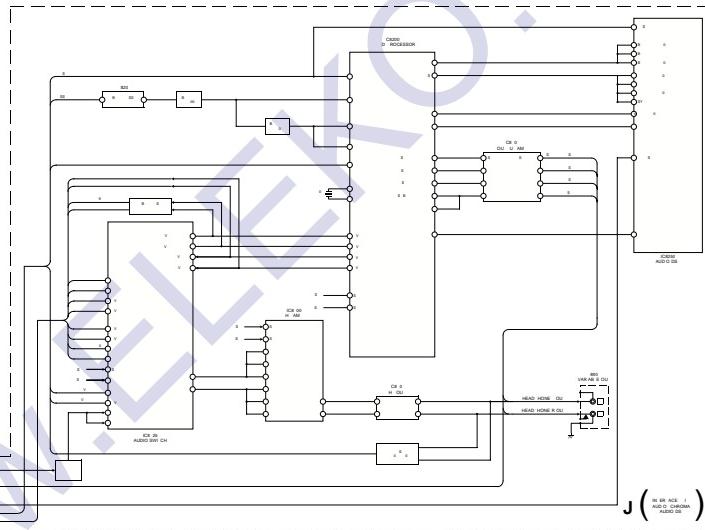
00	Switch back to normal mode - 'TT' mode off
01	Set picture maximum
02	Set picture minimum
03	Set speaker/headphone Volume to 30%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing Mode
08	Shipping Condition
09	Language Reset
10	No function
11	Sub picture adjustment
12	Sub colour adjustment
13	Display software version and TV set configuration
14	Production Info Display
15	Picture Rotation
16	Picture level 50%
17	Audio mute on
18	No function
19	Sub brightness adjustment
20	See 'TT10'
21	Destination A includes text setting display TV status
22	Destination L includes text settings, display TV status
23	Destination E includes text settings, display TV status
24	Destination U includes text settings, display TV status
25	Destination D includes text settings, display TV status
26	Destination B includes text settings, display TV status
27	Destination K includes text settings, display TV status
28	Destination R includes text settings, display TV status
30	See 'TT10'
31	Geometry Adjustment 1
32	Geometry Adjustment 2
33	Error monitor
34	No function
35	CRT 4:3 < > 16:9 ; Display TV status
36	Line 23 detection switch
37	Velocity Modulation (VM) test
38	No function
39	No function
40	See 'TT10'

41	Screen mode check
42	Re initialise geometry
43	No function
44	No function
45	No function
46	Reserved for dealie commander
47	Re initialise NVM
48	Set NVM as non virgin
49	Set NVM as virgin
50	See 'TT10'
51	Set Dolby volume to 90%
52	Dolby on left speaker only
53	Dolby on right speaker only
54	Dolby on left centre only
55	Dolby on surround speaker only
56	No function
59	-
60	See 'TT10'
61	Service mode
62	Production mode
65	Reset error codes
68	Ignore errors on
69	Ignore errors off
70	See 'TT10'
71	-
72	No function
73	Clear programs
74	-
79	No function
80	See 'TT10'
81	PAP H adjustment left image
82	PAP H adjustment right image
83	-
86	No function
87	Personal ID reset
88	Parental Lock off
89	No function
90	See 'TT10'

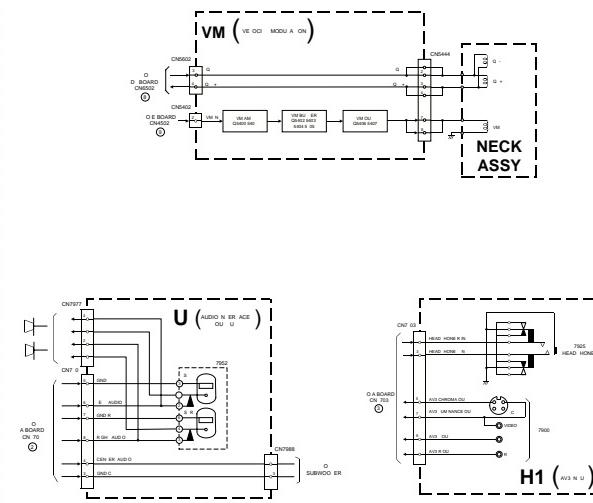
5-1 BLOCK DIAGRAMS (1)



35

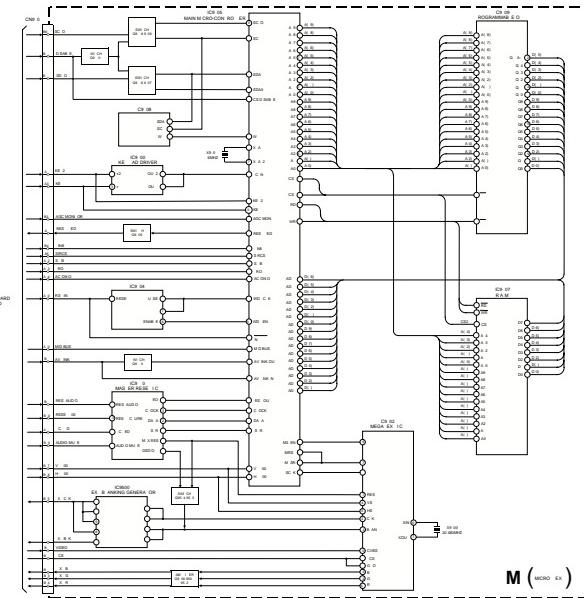
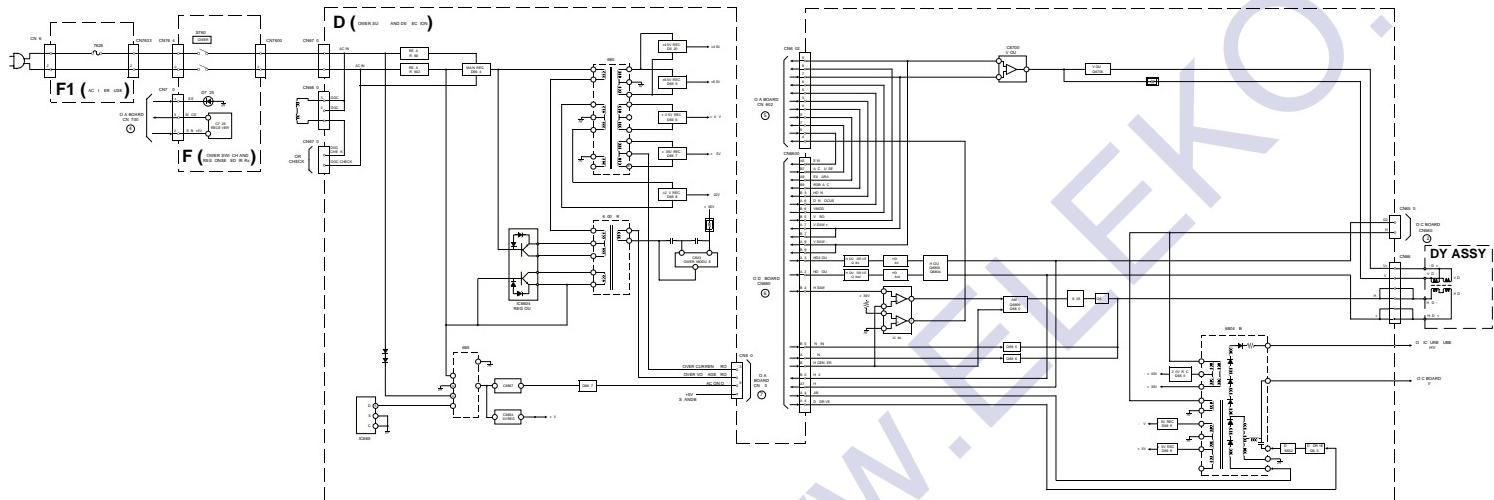


37

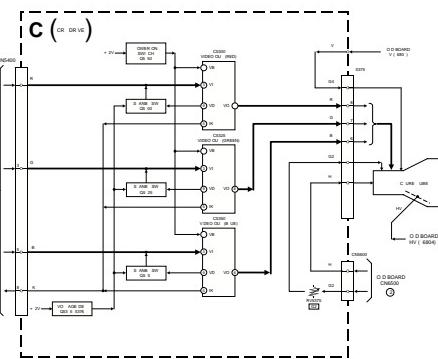
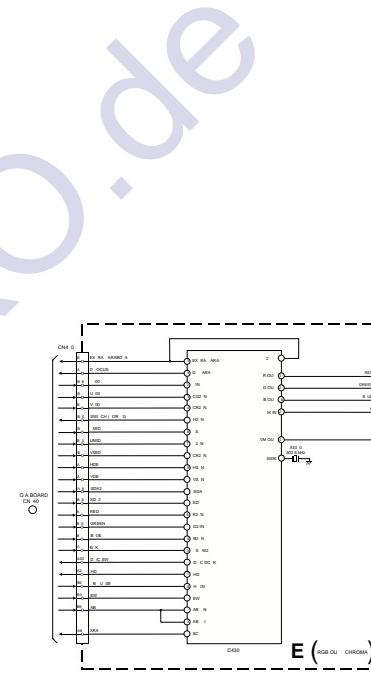
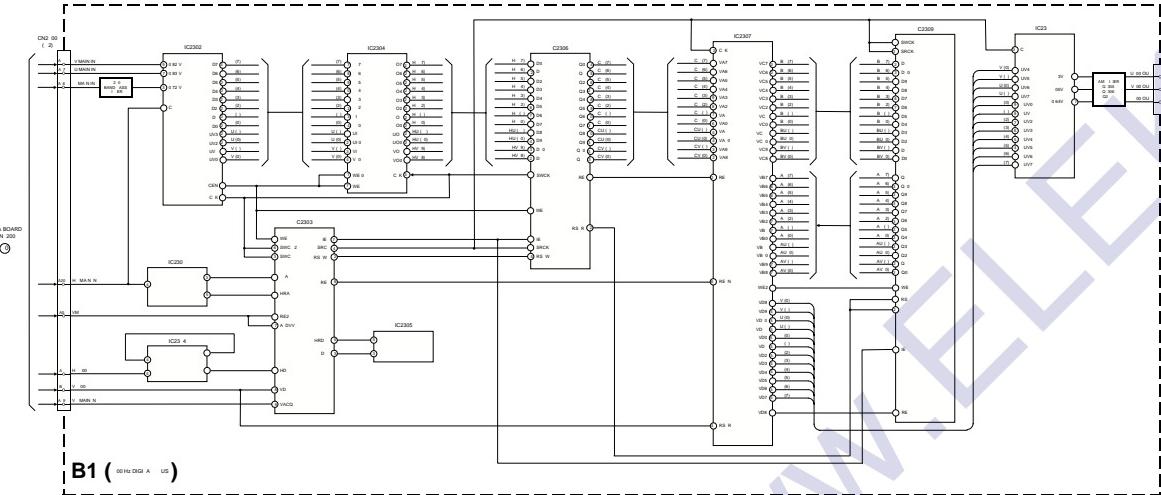


39

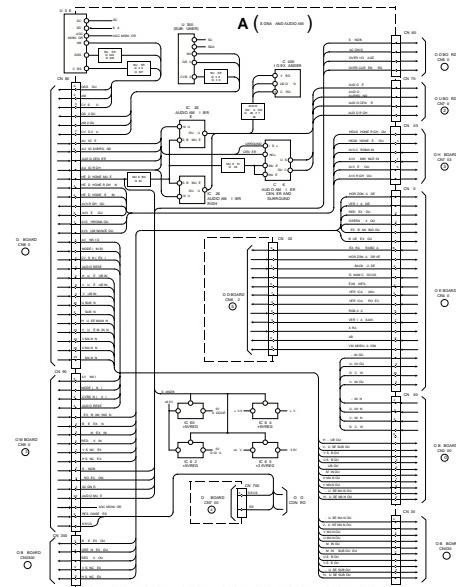
BLOCK DIAGRAMS (2)



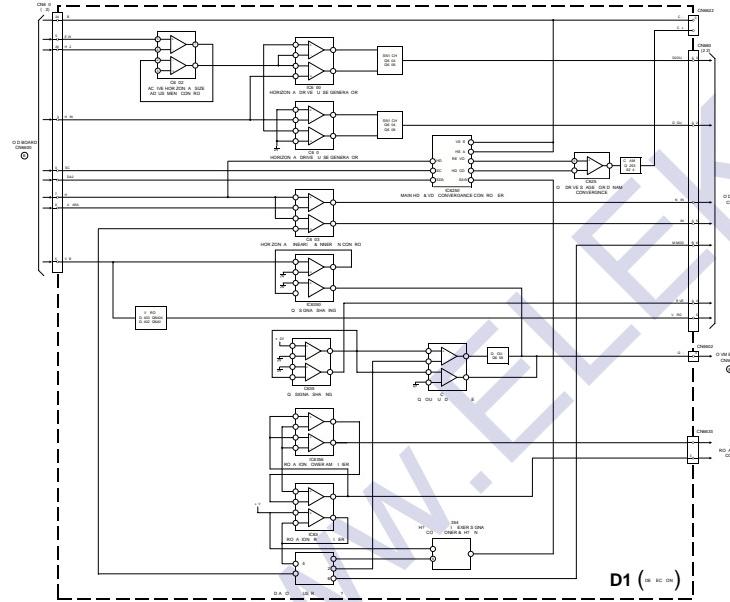
BLOCK DIAGRAMS (3)



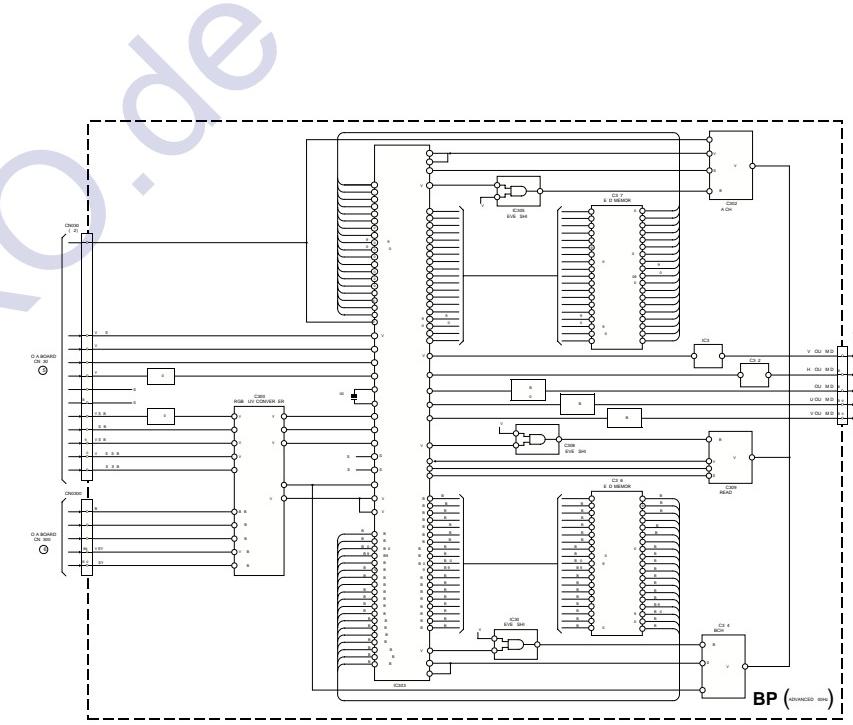
BLOCK DIAGRAMS (4)



50



51



52

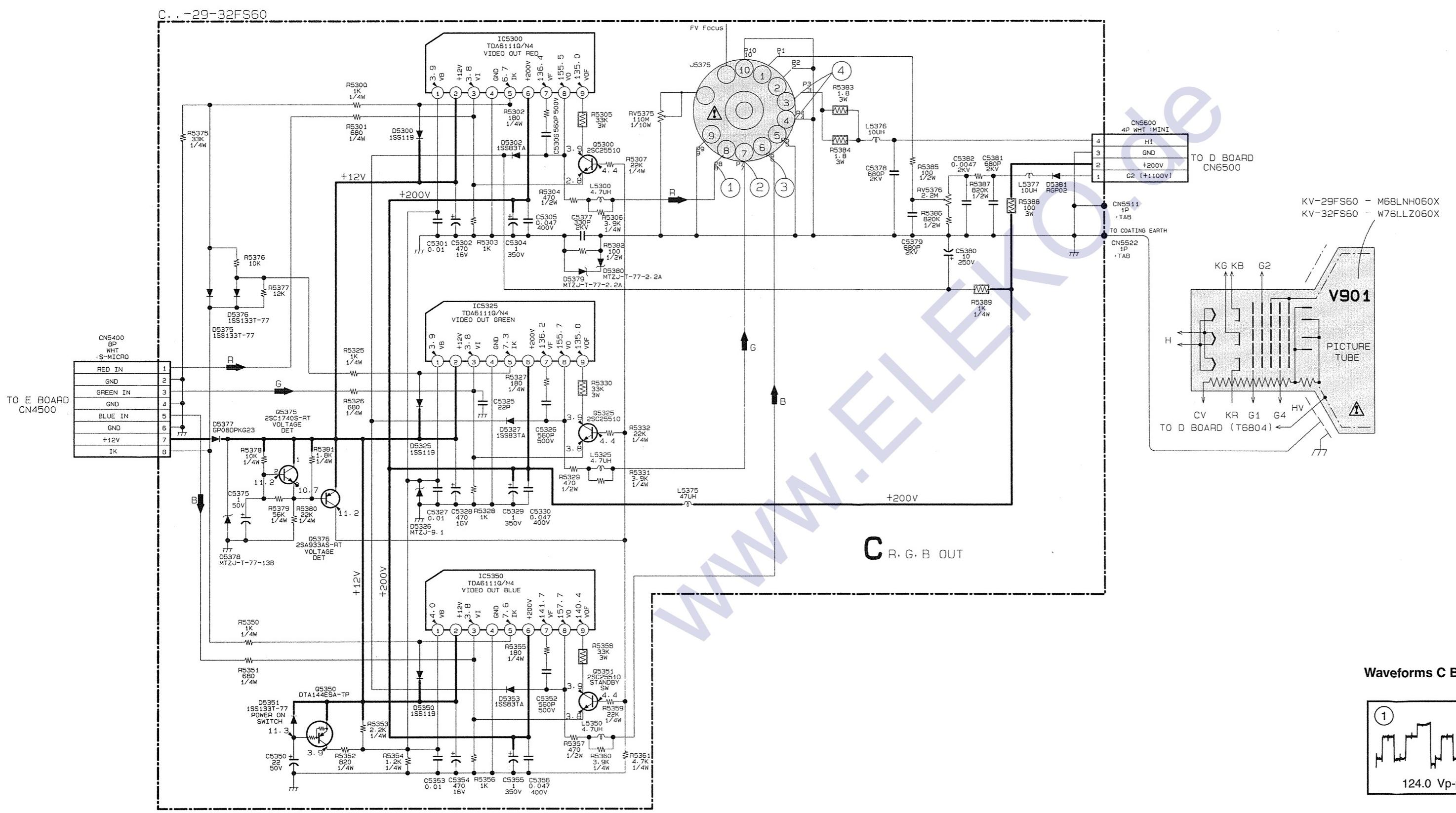
53

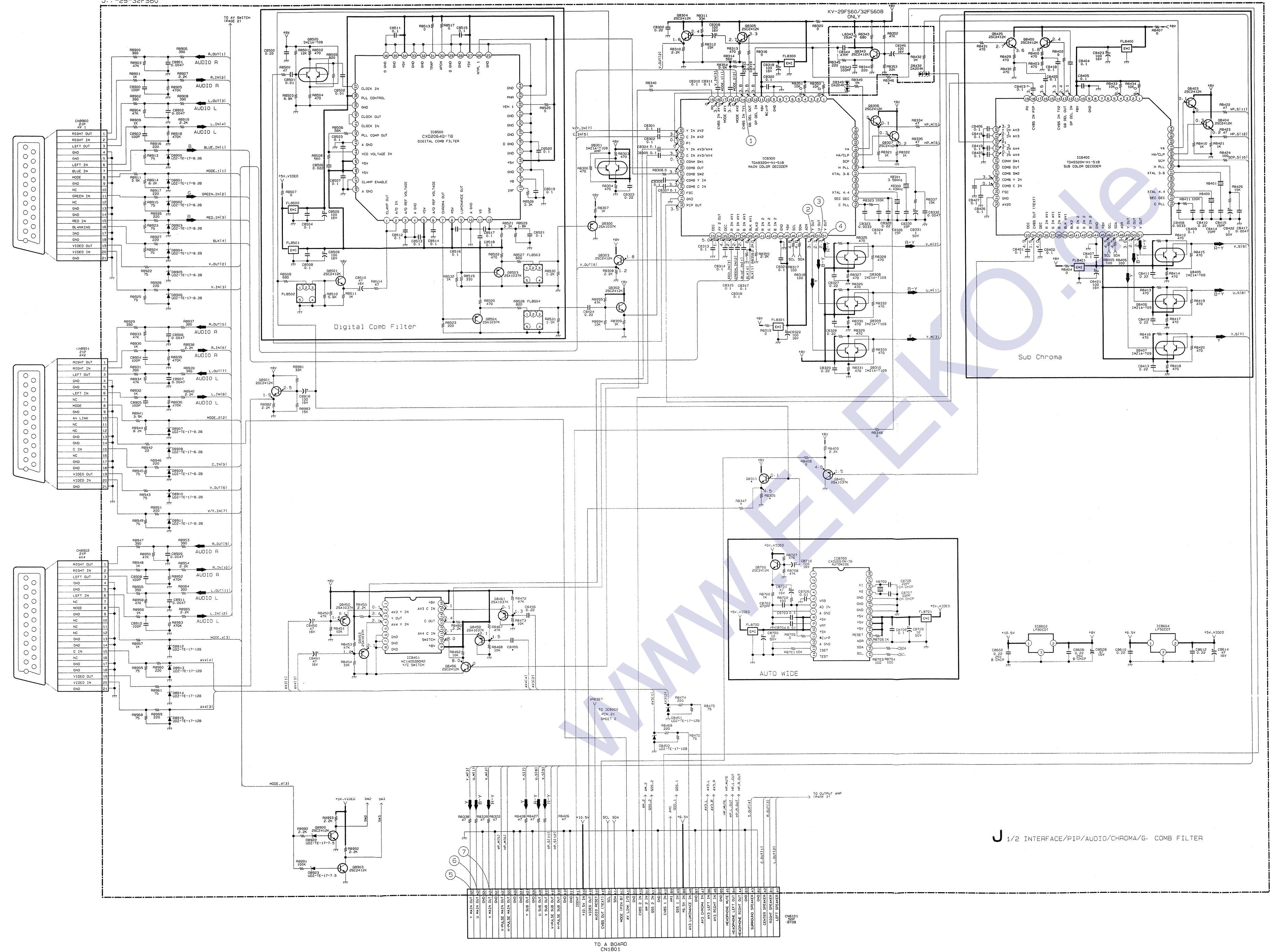
5

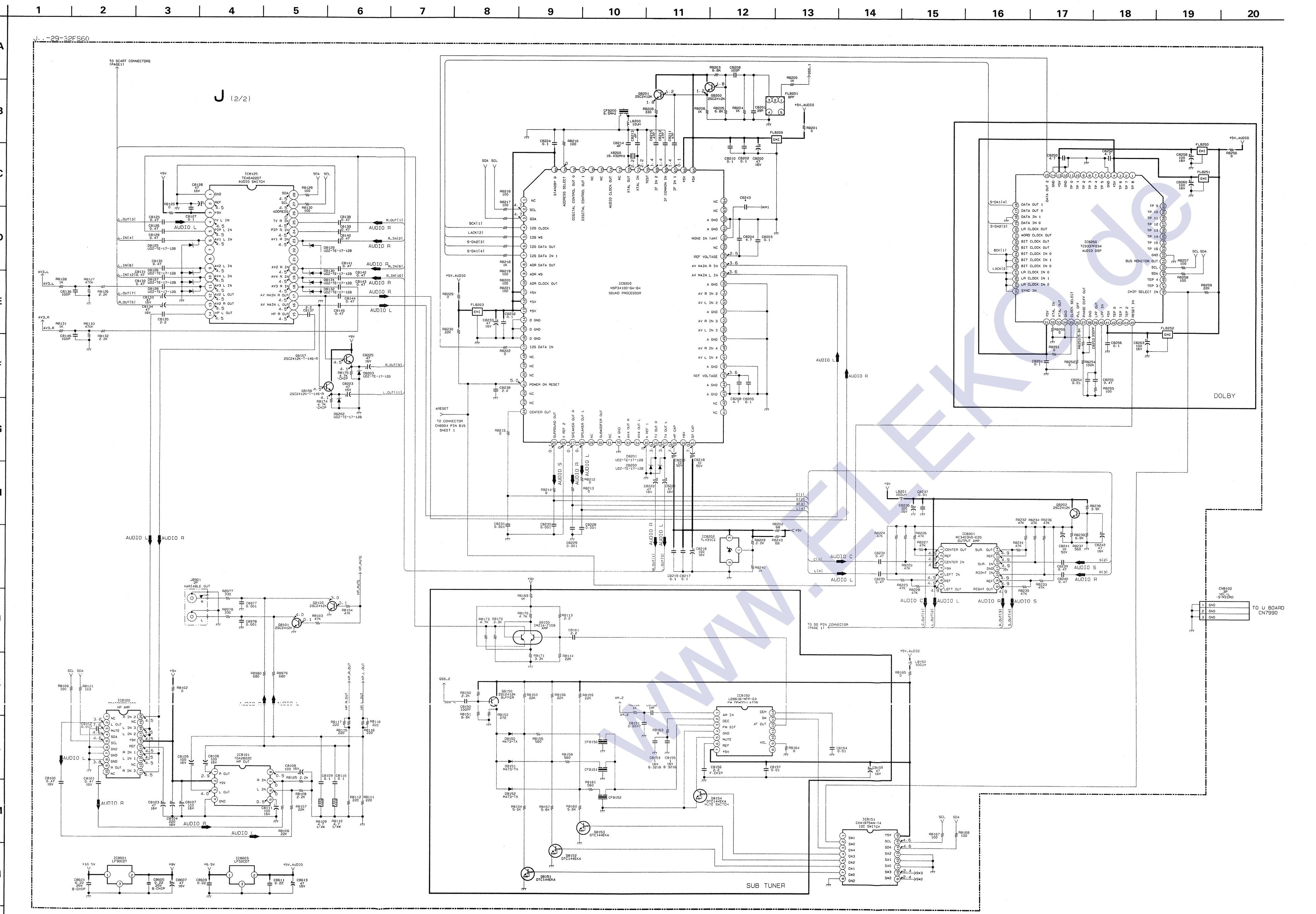
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16

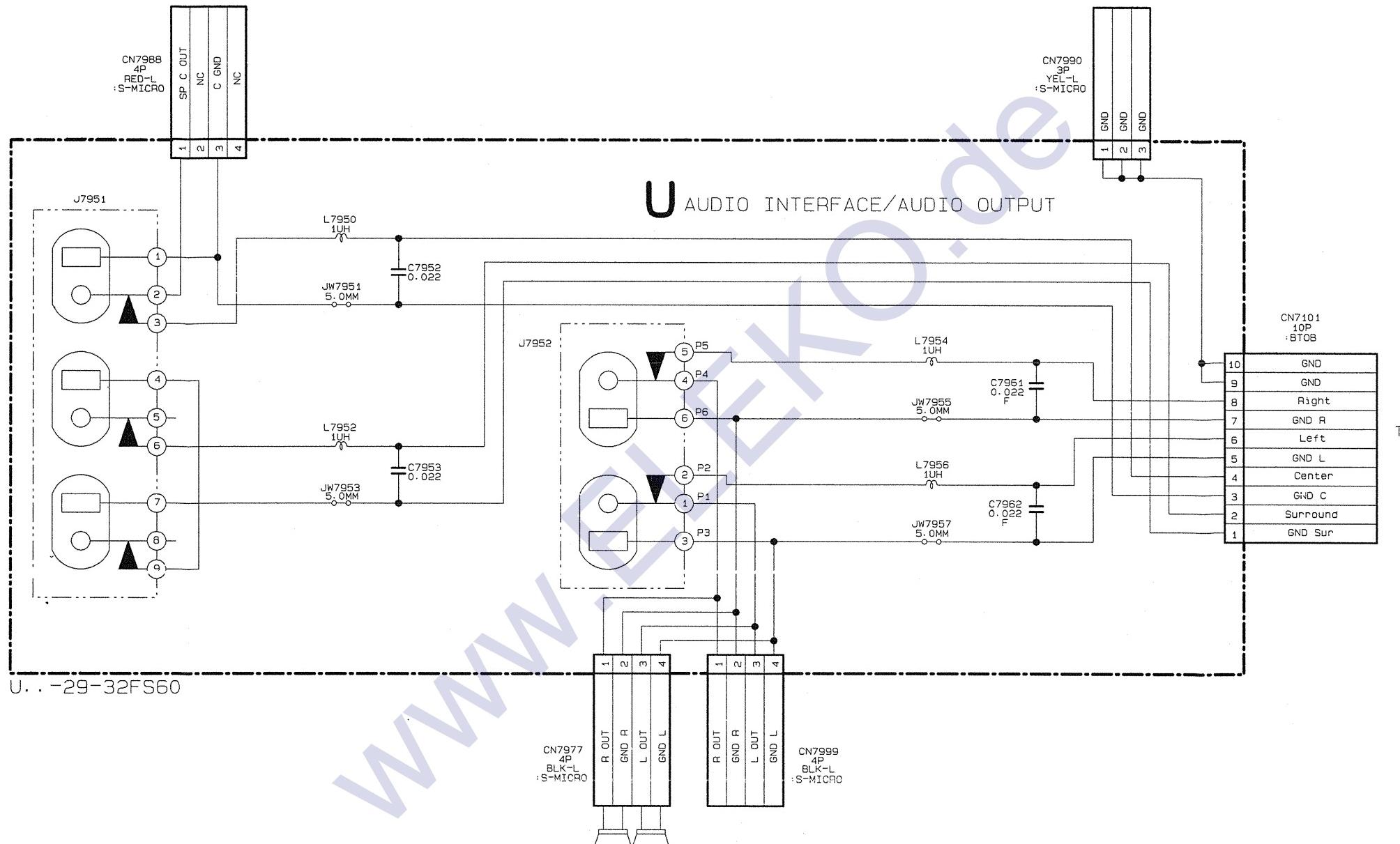
C BOARD

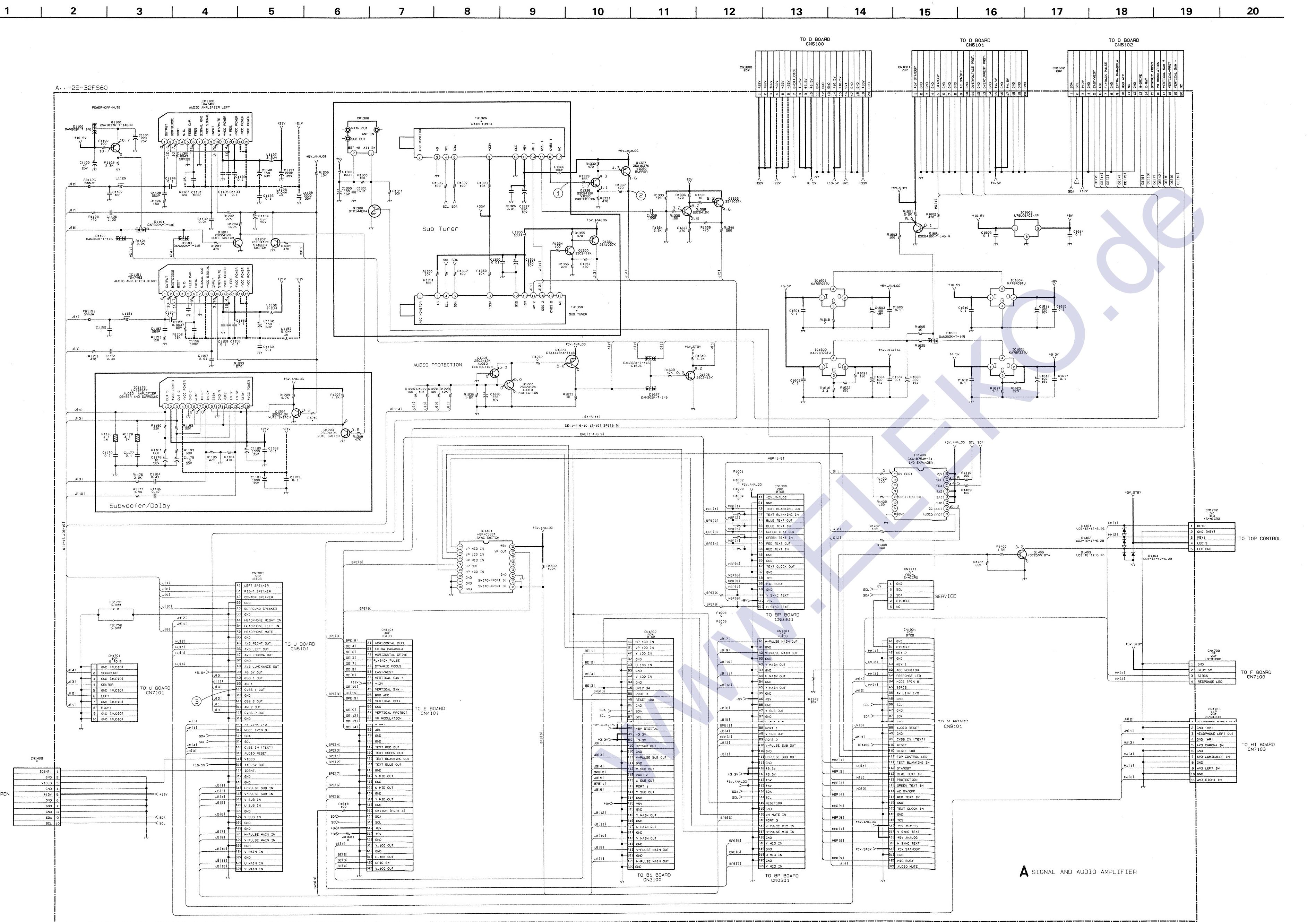
IC
IC5300 B - 6
IC5325 C - 3
IC5350 C - 1
TRANSISTOR
Q5300 B - 6
Q5325 B - 5
Q5350 A - 1
Q5351 C - 2
Q5375 A - 4
Q5376 A - 4
DIODE
D5300 B - 6
D5302 C - 5
D5325 B - 4
D5326 B - 4
D5327 C - 4
D5350 B - 2
D5351 B - 1
D5353 C - 1
D5375 A - 5
D5376 A - 5
D5377 A - 1
D5378 B - 1
D5379 E - 5
D5380 E - 5
D5381 F - 2









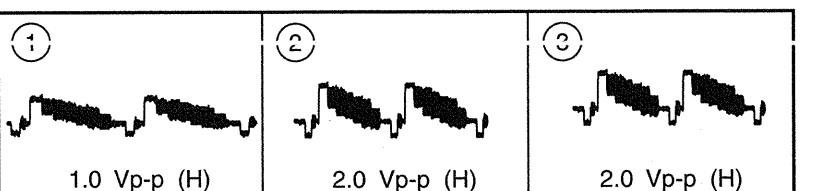


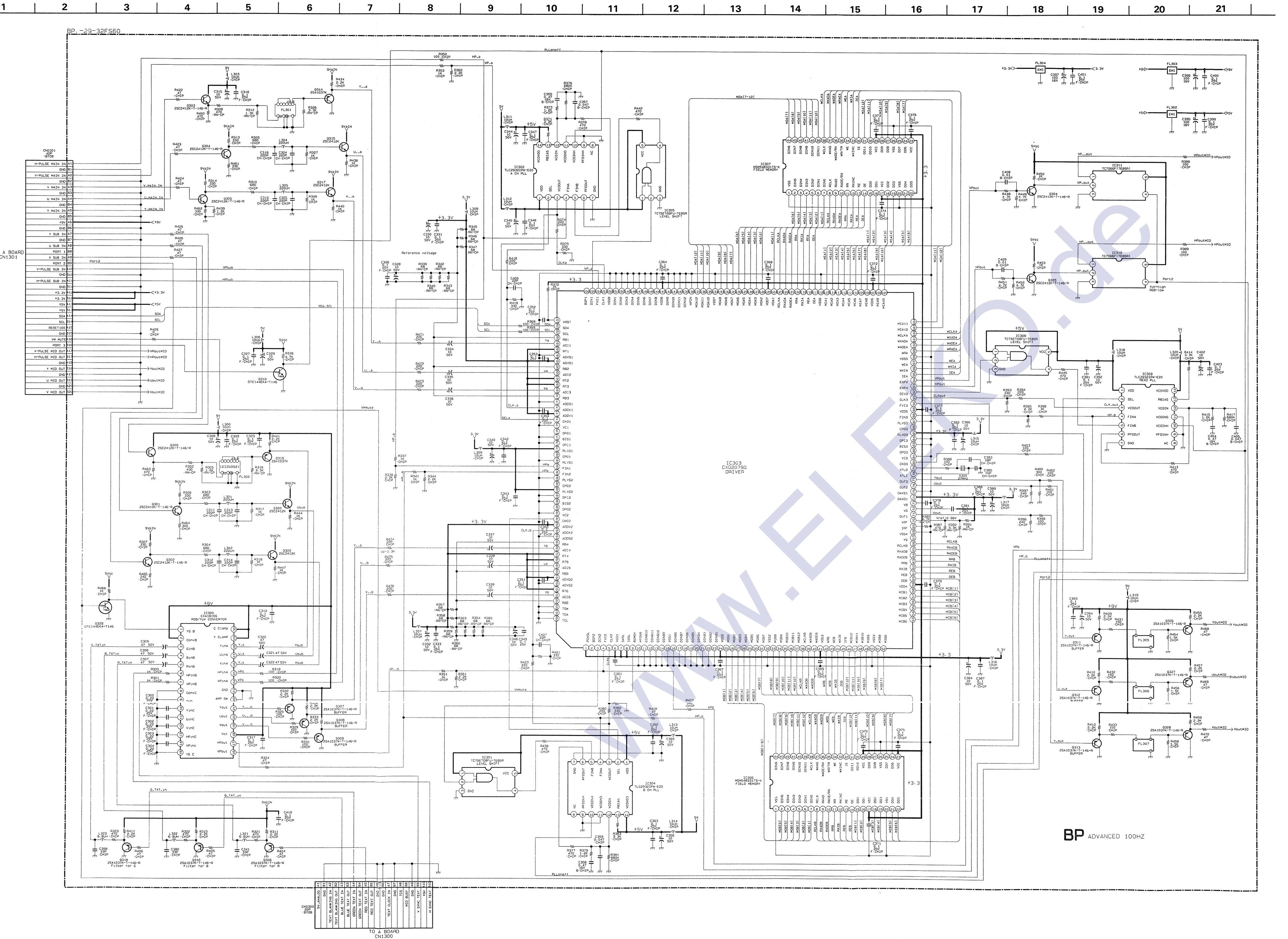
A SIGNAL AND AUDIO AMPLIFIER

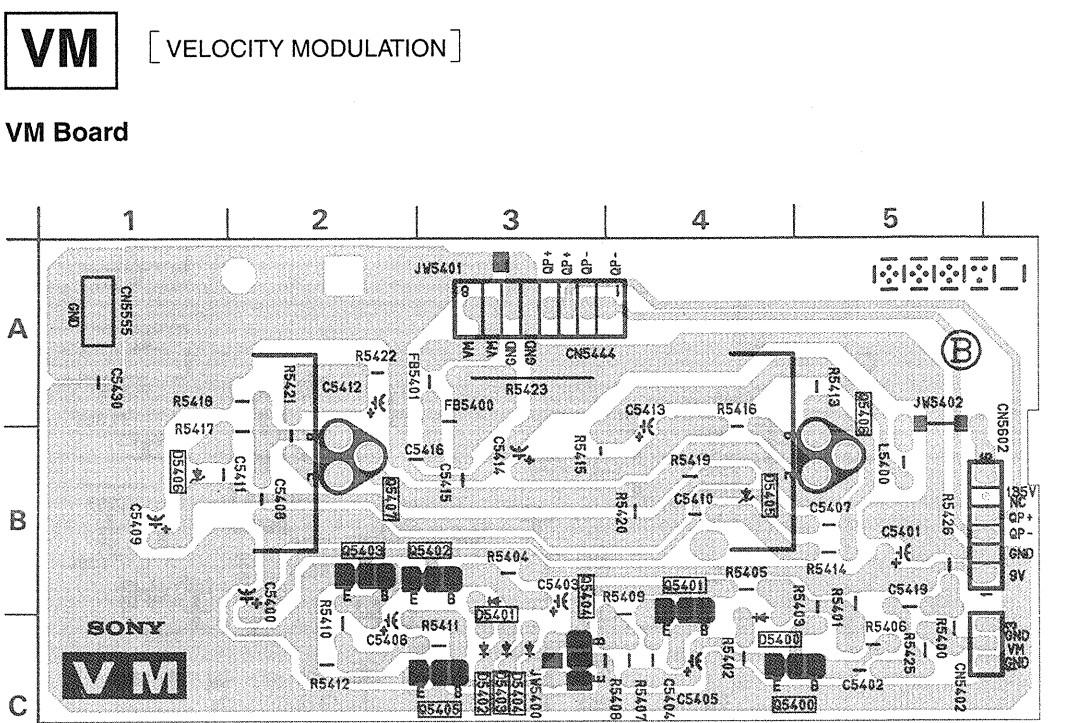
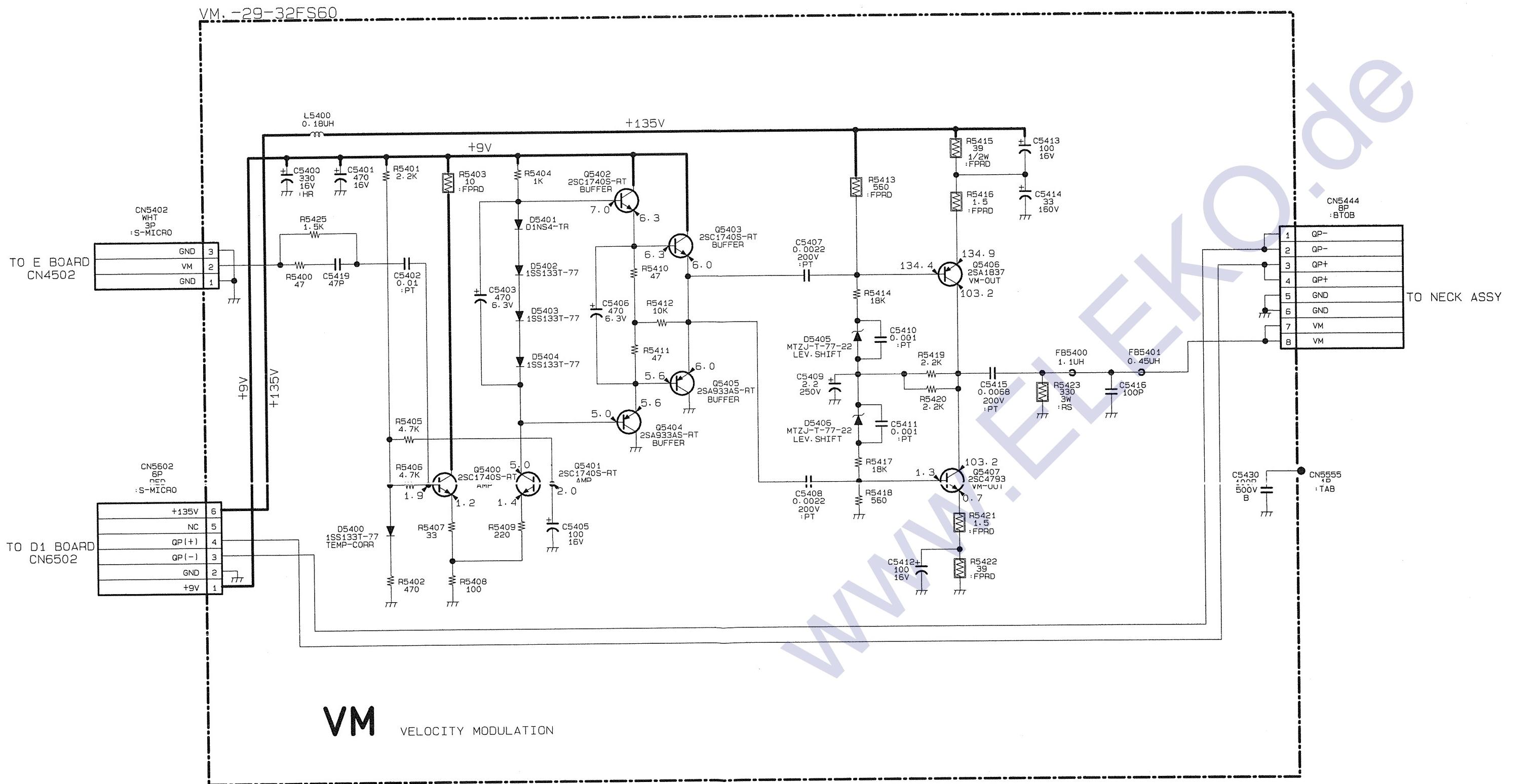
A BOARD * MARK

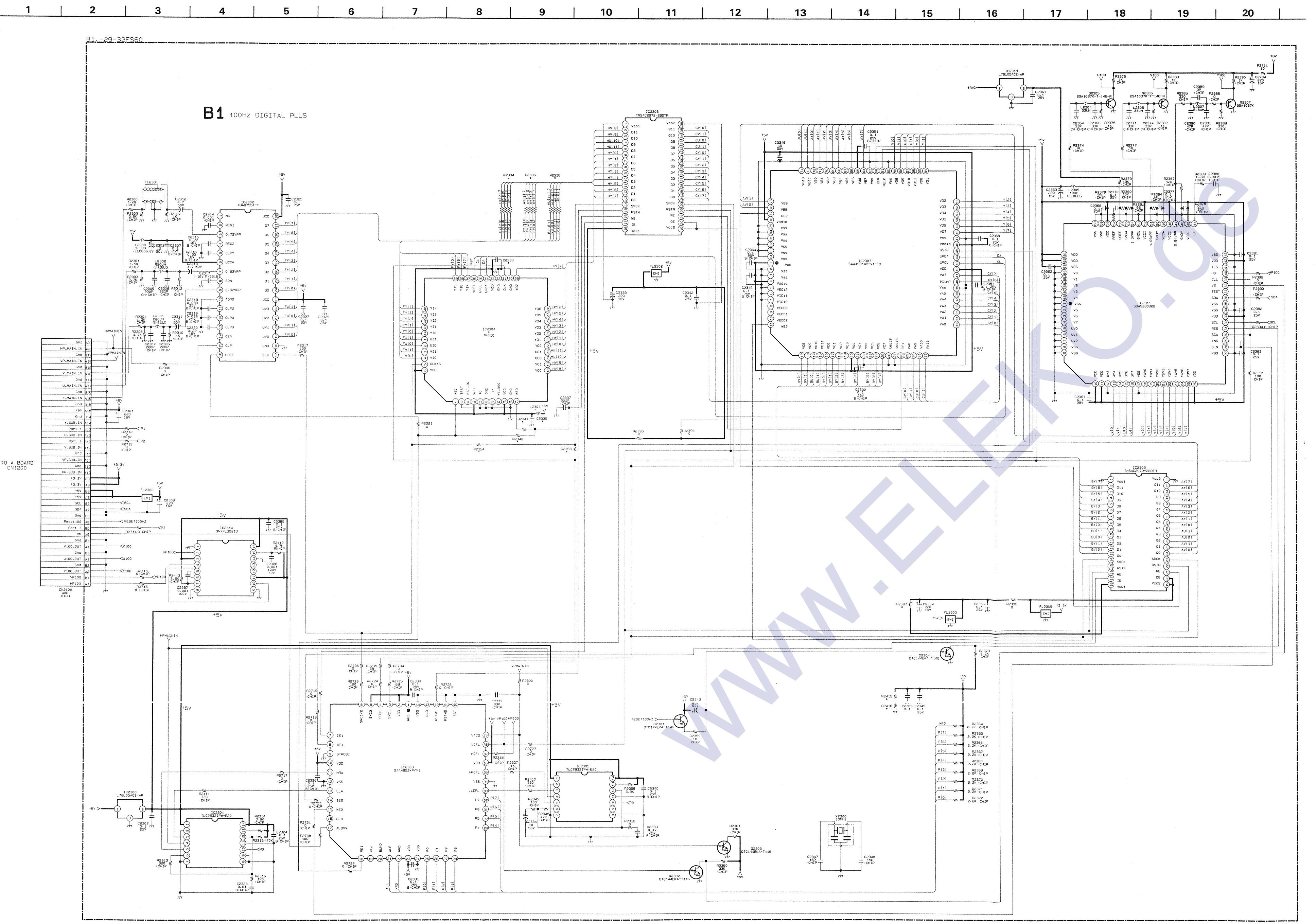
Ref	29FS60A	29FS60B	29FS60D	29FS60E	29FS60K	29FS60R	29FS60U	32FS60A	32FS60B	32FS60D	32FS60E
CN1402	-	10PIN	-	-	-	-	-	10PIN	-	-	-
R1210	47K 5%	47K 0.5%	47K 5%	47K 5%	47K 5%	47K 0.5%	47K 5%	47K 5%	47K 0.5%	47K 5%	47K 5%
TU1326	TUNER/VIF (AEP)	TUNER/VIF (FR)	TUNER/VIF (AEP)								
TU1350	TUNER/VIF (AEP)	TUNER/VIF (FR)	TUNER/VIF (AEP)	TUNER/VIF (AEP)	TUNER/VIF (AEP)	TUNER/VIF (AEP)	TUNER/VIF (AEP)	TUNER/VIF (AEP)	TUNER/VIF (FR)	TUNER/VIF (AEP)	TUNER/VIF (AEP)

Waveforms A Board









[100Hz DIGITAL PLUS]

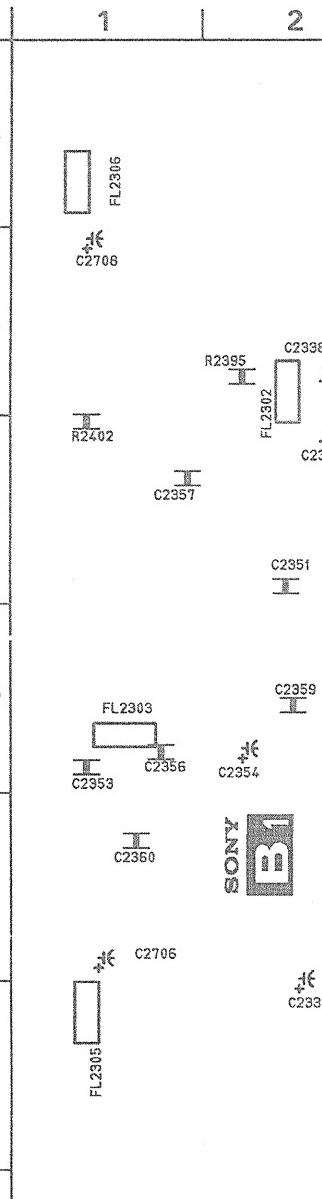
31 BOARD * MARK

Ref	29FS60A	29FS60B	29FS60D	29FS60E	29FS60K	29FS60R	29FS60U	32FS60A	32FS60B	32FS60D	32FS60E
C2333	-	-	-	-	-	-	-	0.1MF	0.1MF	0.1MF	0.1MF
C2335	-	-	-	-	-	-	-	0.1MF	0.1MF	0.1MF	0.1MF
IC2304	-	-	-	-	-	-	-	SAA4995WP-V1-T3	SAA4995WP-V1-T3	SAA4995WP-V1-T3	SAA4995WP-V1-T3
L2303	-	-	-	-	-	-	-	3.3UH	3.3UH	3.3UH	3.3UH
R2334	RES,CHIP NETWORK 10	-	-	-	-						
R2335	RES,CHIP NETWORK 10	-	-	-	-						
R2336	RES,CHIP NETWORK 10	-	-	-	-						
R2341	-	-	-	-	-	-	-	SHORT 0	SHORT 0	SHORT 0	SHORT 0
R2342	SHORT 0	-	-	-	-						
R2354	SHORT 0	-	-	-	-						
R2355	-	-	-	-	-	-	-	SHORT 0	SHORT 0	SHORT 0	SHORT 0
R2415	-	-	-	-	-	-	-	SHORT 0	SHORT 0	SHORT 0	SHORT 0
R2416	SHORT 0	-	-	-	-						

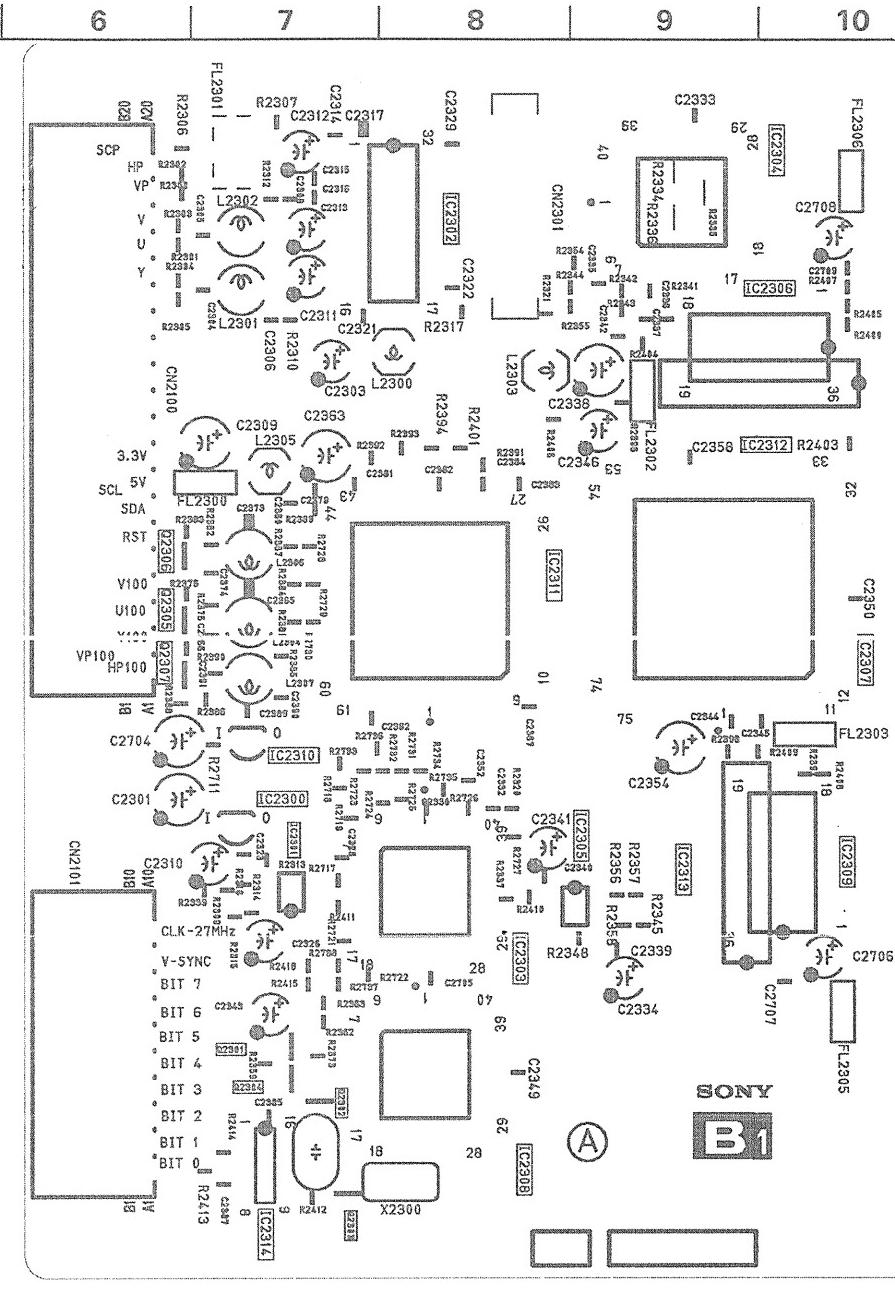
31 BOARD

IC	
IC2300	E - 4
IC2301	A - 11
IC2302	B - 9
IC2305	E - 8
IC2306	B - 9
IC2307	D - 10
IC2309	E - 10
IC2310	D - 7

B1 Board <Conductor Side>

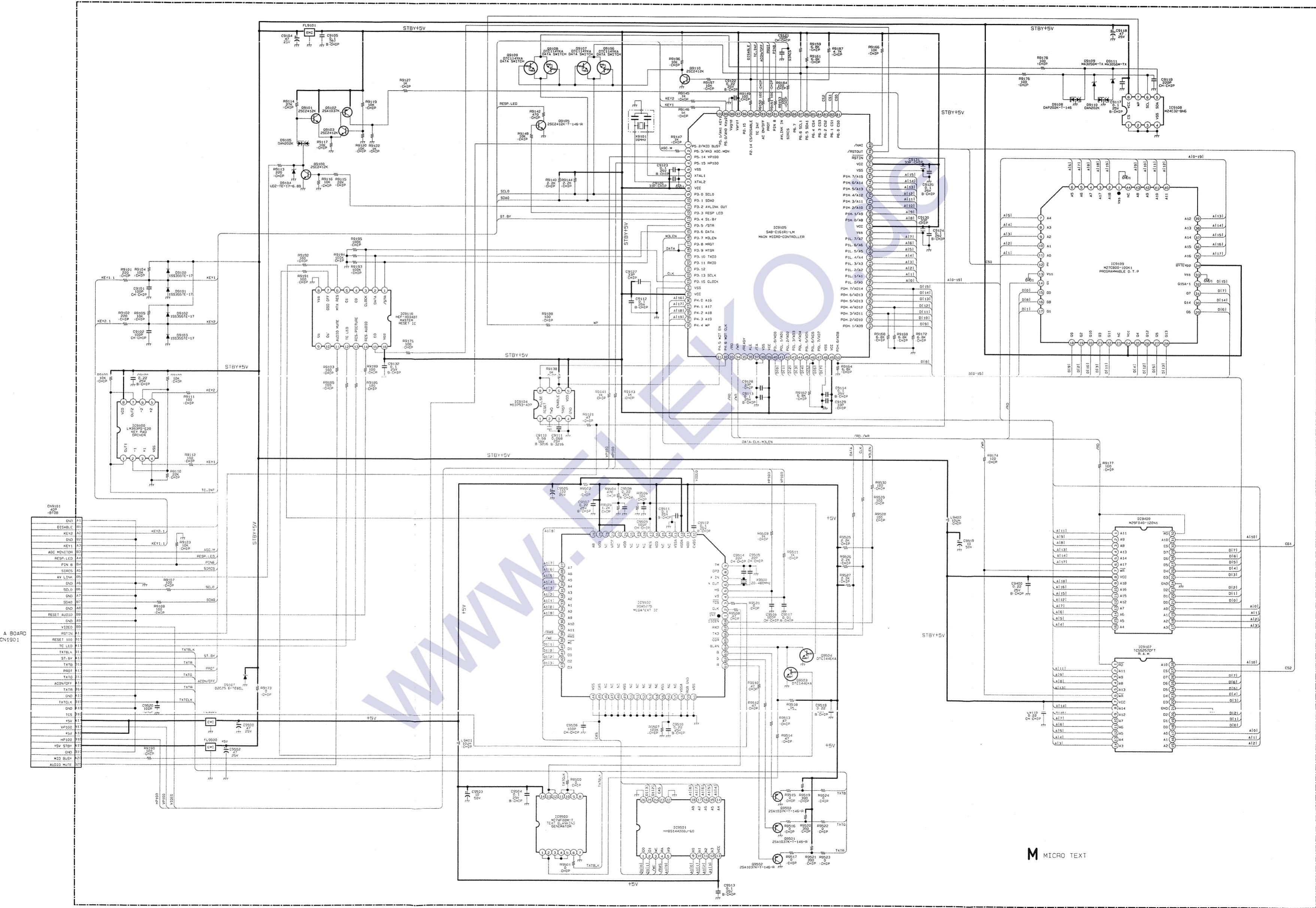


B1 Board <Component Side>

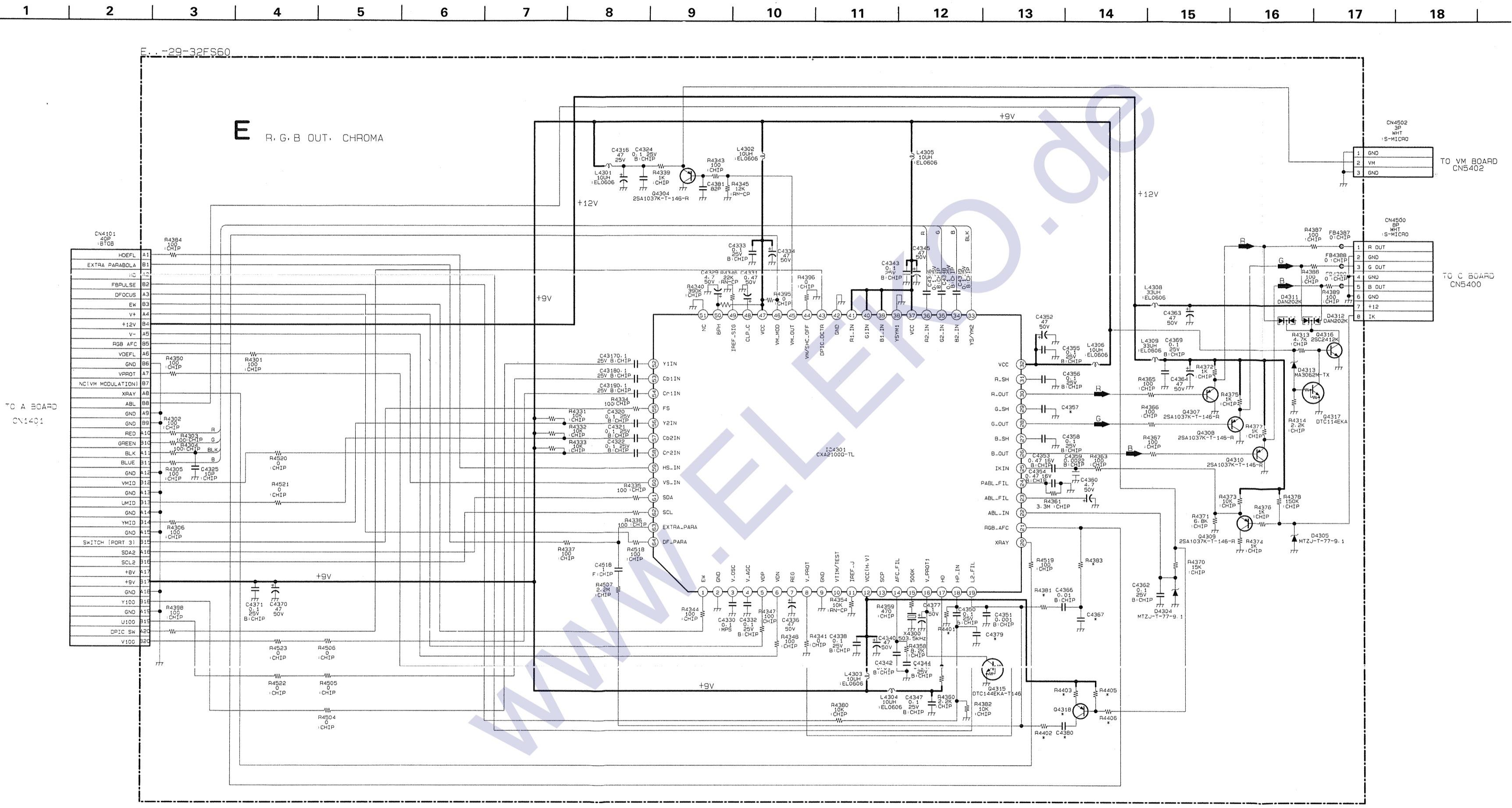


A B C D E F G H I J K L M

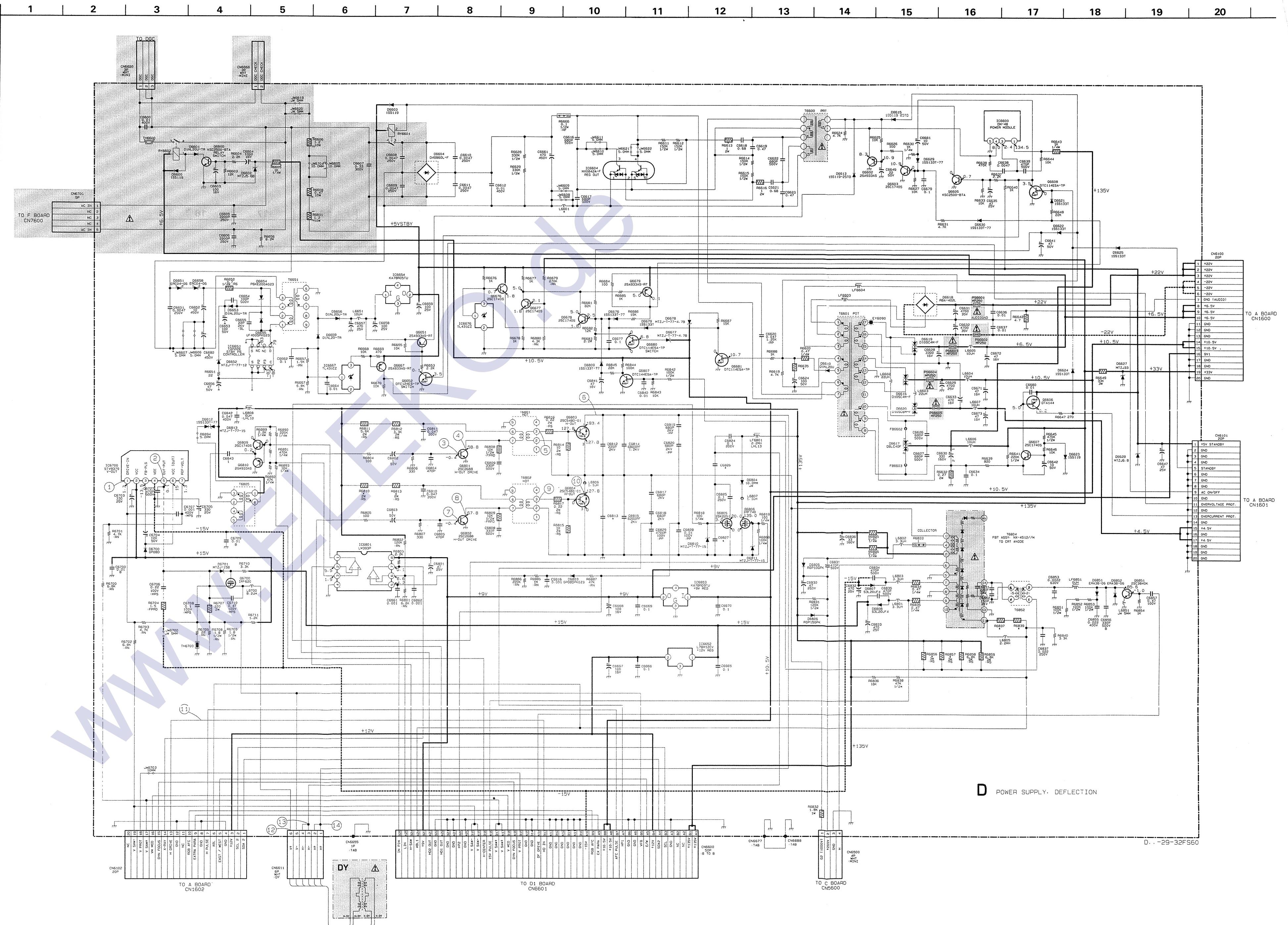
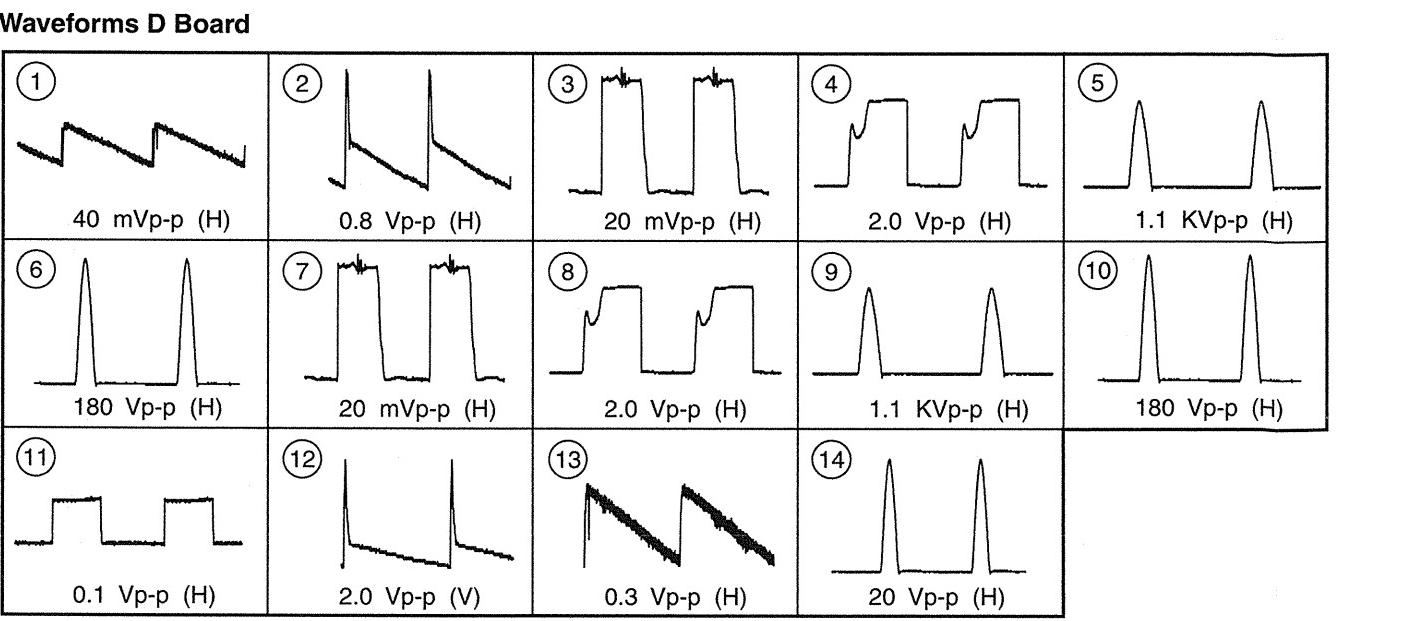
H...-29-32FS60

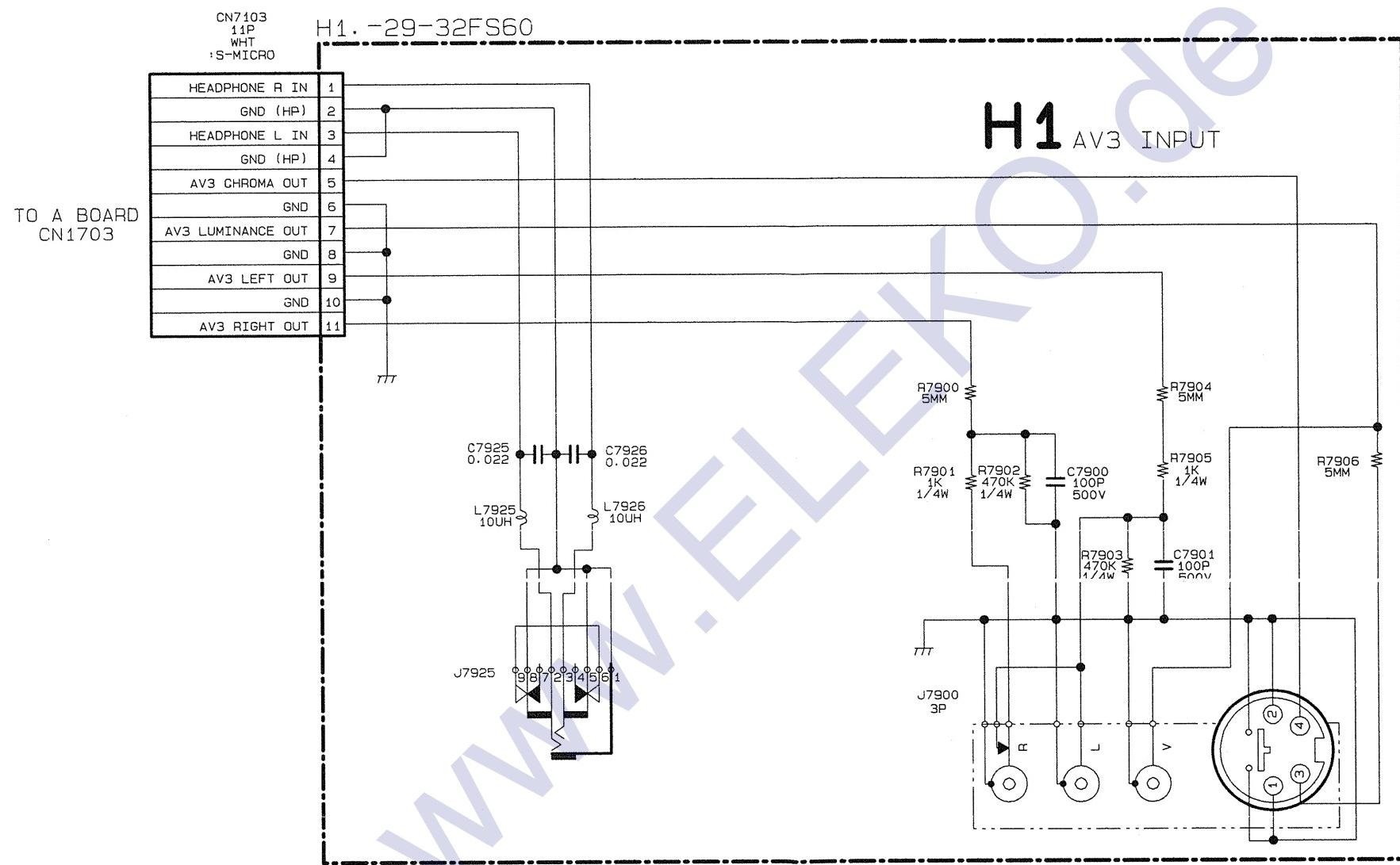


M MICRO TEXT

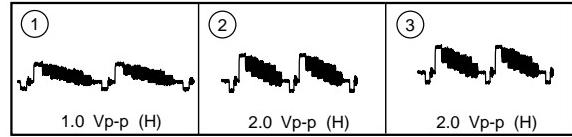


Ref	29FS60A	29FS60B	29FS60D	29FS60E	29FS60K	29FS60R	29FS60U	32FS60A	32FS60B	32FS60D	32FS60E
C6682	22MF	-	-	-	-						
C6813	100PF	470PF	470PF	470PF	470PF						
C6826	0.47MF	0.56MF	0.56MF	0.56MF	0.56MF						
C6827	0.12MF	0.1MF	0.1MF	0.1MF	0.1MF						
L6601	2.2MMH	JW (5.0MM)	JW (5.0MM)	JW (5.0MM)	JW (5.0MM)						
R6635	0.47	0.47	0.47	0.47	0.47	0.47	0.47	JW (5.0MM)	JW (5.0MM)	JW (5.0MM)	JW (5.0MM)
R6810	3.3K	3.9K	3.9K	3.9K	3.9K						
R6813	3.3K 3W	3.3K 2W	3.3K 2W	3.3K 2W	3.3K 2W						
R6837	2.2K 3W	2.2K 2W	2.2K 2W	2.2K 2W	2.2K 2W						
R6839	2.2K 3W	2.2K 2W	2.2K 2W	2.2K 2W	2.2K 2W						
R6856	5.6K	6.8K	6.8K	6.8K	6.8K						
R6857	5.6K	6.8K	6.8K	6.8K	6.8K						

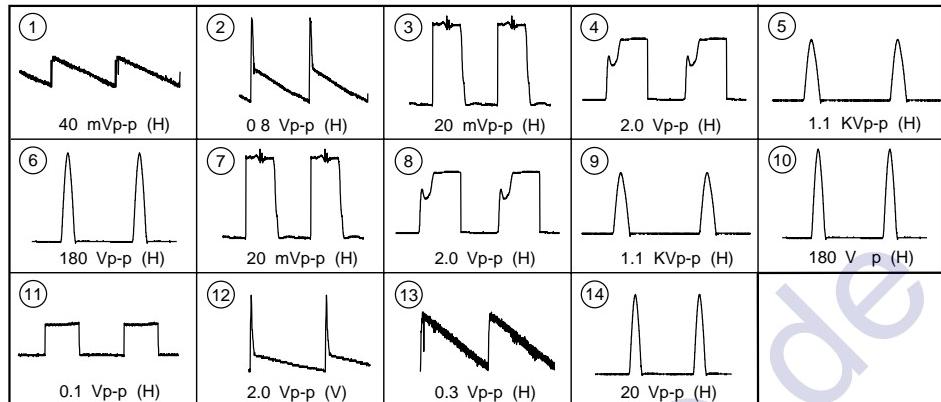




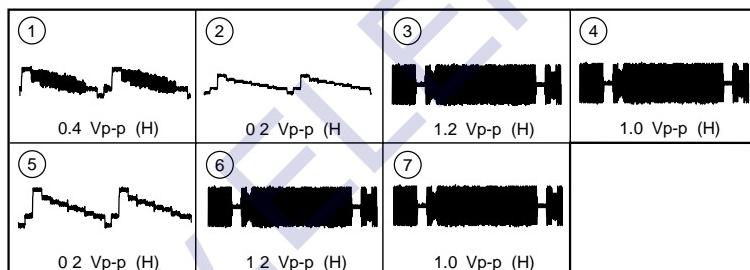
Waveforms A Board



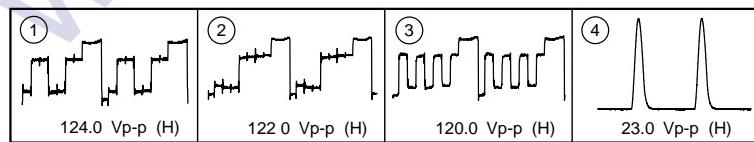
Waveforms D Board



Waveforms J1(1/2) Board

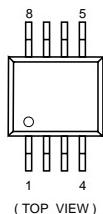


Waveforms C Board



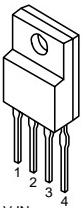
5-4 SEMICONDUCTORS

BA7046F
BA7046F-T1
LM393PS-E20
MB3793-42NF
MB3793-42NF-ER
NJM2240M
NJM2240M(TE2)
NJM3404AD



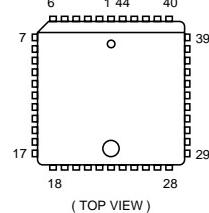
(TOP VIEW)

KA78R05TU
KA78R09TU
KA78R33TU

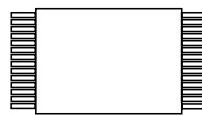


1 : V IN
2 : V OUT
3 : GND
4 : ON/OFF CONTROL

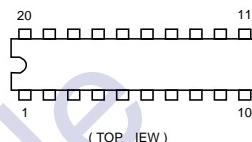
M27C800-100K1



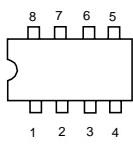
TC55257DFTL-70V-EL



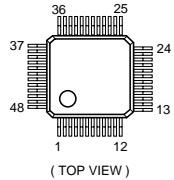
TDA7309D013TR



LM393D
M5216P
M24C32-BN6
ST24C16FB6
TDA2822M
UPC393C

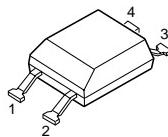


CXA1855Q-T6



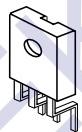
(TOP VIEW)

PC123F2
PC123FY2

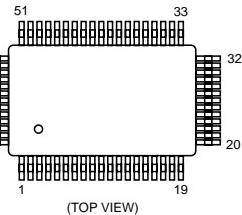


LM78L05ACZ
LM78L12ACZ
L78L05ACZ-AP
L78L12ACZ-AP

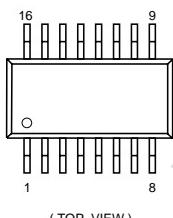
SBX1981-51



TDA9320H-N1-518



CXA1875AM-T4
HE4094BT
MC14052BDR2
MC74F157ADR2
SN74LS221D
74HCT4046AD/S470

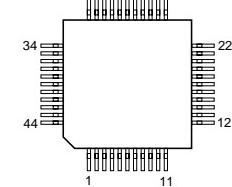


(TOP VIEW)

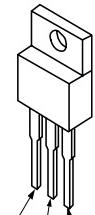


MB3793-42PNF-ER

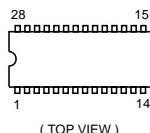
SDA9361



TEA6422DT
LM393N

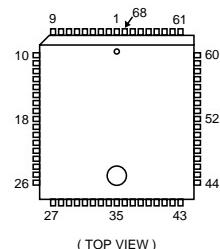


CXD2053S
TDA4780/V3



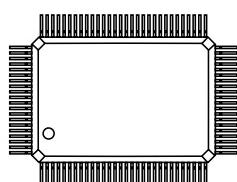
(TOP VIEW)

MSP3410D-QA-B4
SAA7185WP
SDA5273P-C134-GEG
SDA5275

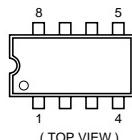


(TOP VIEW)

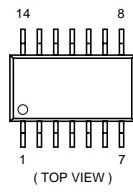
SAB-C161R1-LM



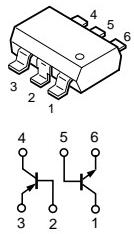
TOP209P



U2860B-BFPG3
74LVC08D



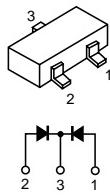
IMZ1A-T109



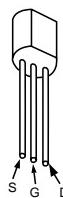
2SC2500-B
2SC2551-O
2SC2551O-TPE2



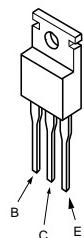
DAN202K
DAN202K-T-146



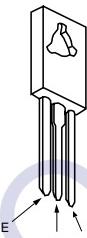
BC546B
BC556B



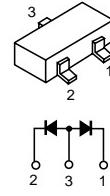
IRF614
IRF620



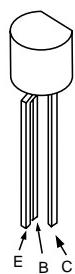
2SC2688-LK
2SC3840K



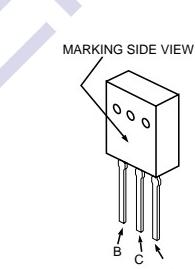
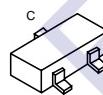
DAP202K
DAP202K-T-146



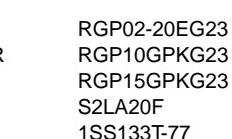
BF199
BF199-AMMO



DTA144EK
DTA144EK-T146
DTC114EK
DTC114YKA-T146
DTC123EK
DTC123EK-T146
DTC124EKA-T146



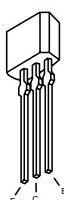
D1NL20-TA
D1NL20U-TR
D1N54-TR
EGP20G
EL1Z
GP08D
GP08DPKG23
R2K-V1



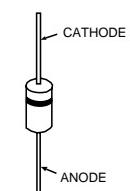
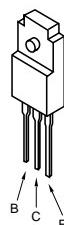
BF421-AMMO



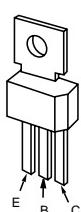
DTA144ESA
DTA144ESA-TP
DTC114ESA-TP
DTC144ESA-TP
2SA1175-HFE
2SA733-K



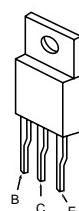
2SC4793



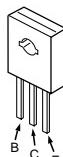
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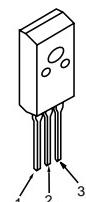
2SA1837



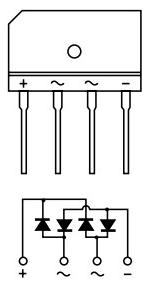
2SD2396H



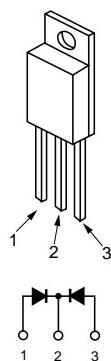
D10SC4M
D10SC6M



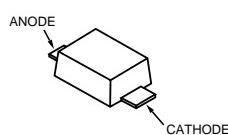
D4SB60L
D4SB60L-F
RBA-402L



ESAC39M-06C
ESAC39M-06CF38

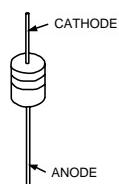


UF4005PKG23

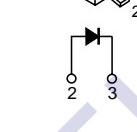
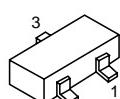


ERA38-06TP1
ERA82-004TP1
GP08DPKG23
MTZJ-T-77-12
MTZJ-T-77-15
MTZJ-T-77-2.2B
MTZJ-T-77-22
MTZJ-T-77-33C
MTZJ-T-77-3.6B
MTZJ-T-77-4.7B

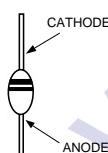
MTZJ-T-77-5.6B
MTZJ-T-77-6.8
MTZJ-T-77-7.5B
MTZJ-T-77-9.1
MTZJ-33C
RD5.6ESB2
RD9.1ESB2
PGKE200AG23
1SS119-25
1SS119-25TD



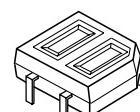
MA3033-L
MA3033L-TX
MA3056M-TX
MA3062M-TX
MA3030-H-(TX)



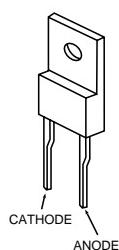
ERC04-06SE



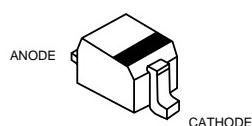
MA73-TX



ERD08M-15

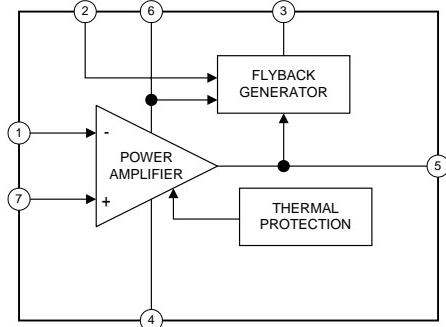


RD12SB2
UDZ-TE-17-6.2B
UDZ-TE-17-6.8B
UDZ-TE-12B

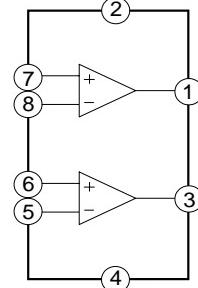


5-5. IC BLOCK DIAGRAMS

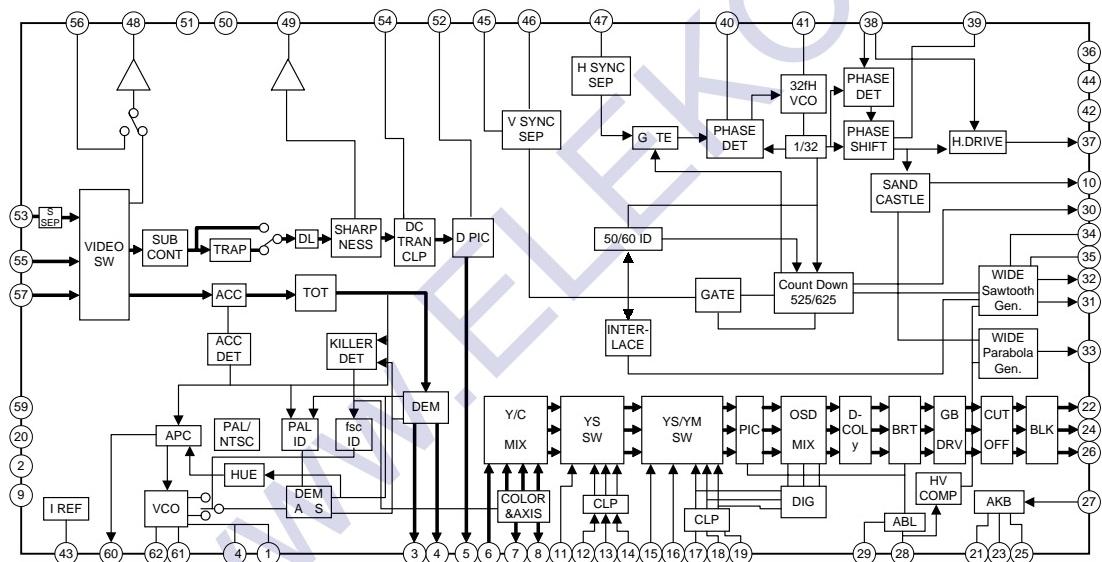
D BOARD IC6700 STV 9379



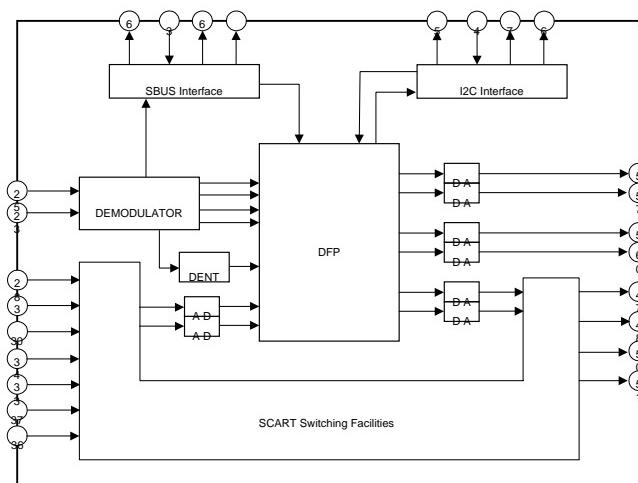
J BOARD IC8101 TDA2822D



E BOARD IC4301 CXA2100Q-TL



J BOARD |C8200 MSP3410D-QA-B4



SECTION 6 EXPLODED VIEWS

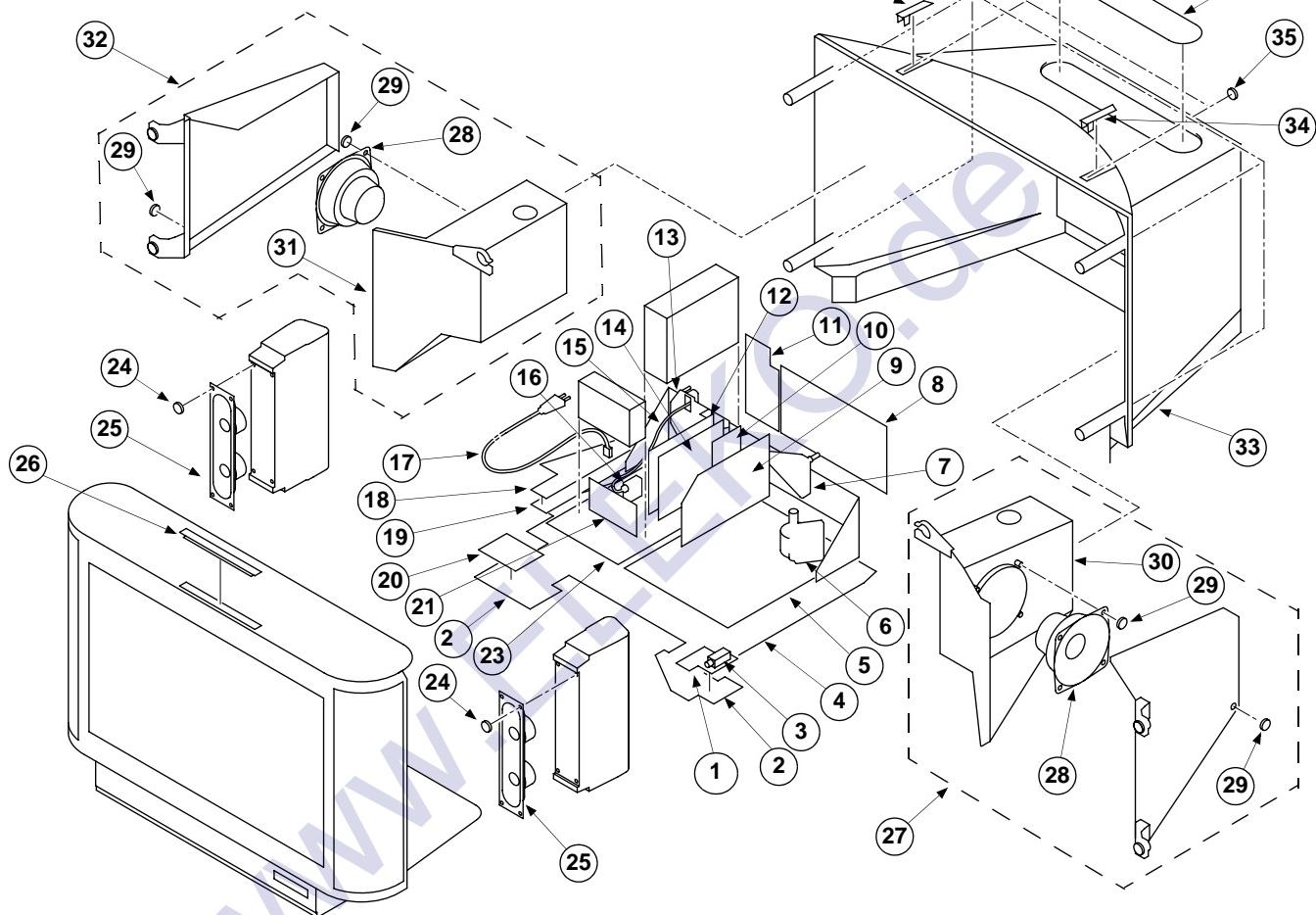
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked **△** are critical for safety. Replace only with the part number specified.

6-1. CHASSIS

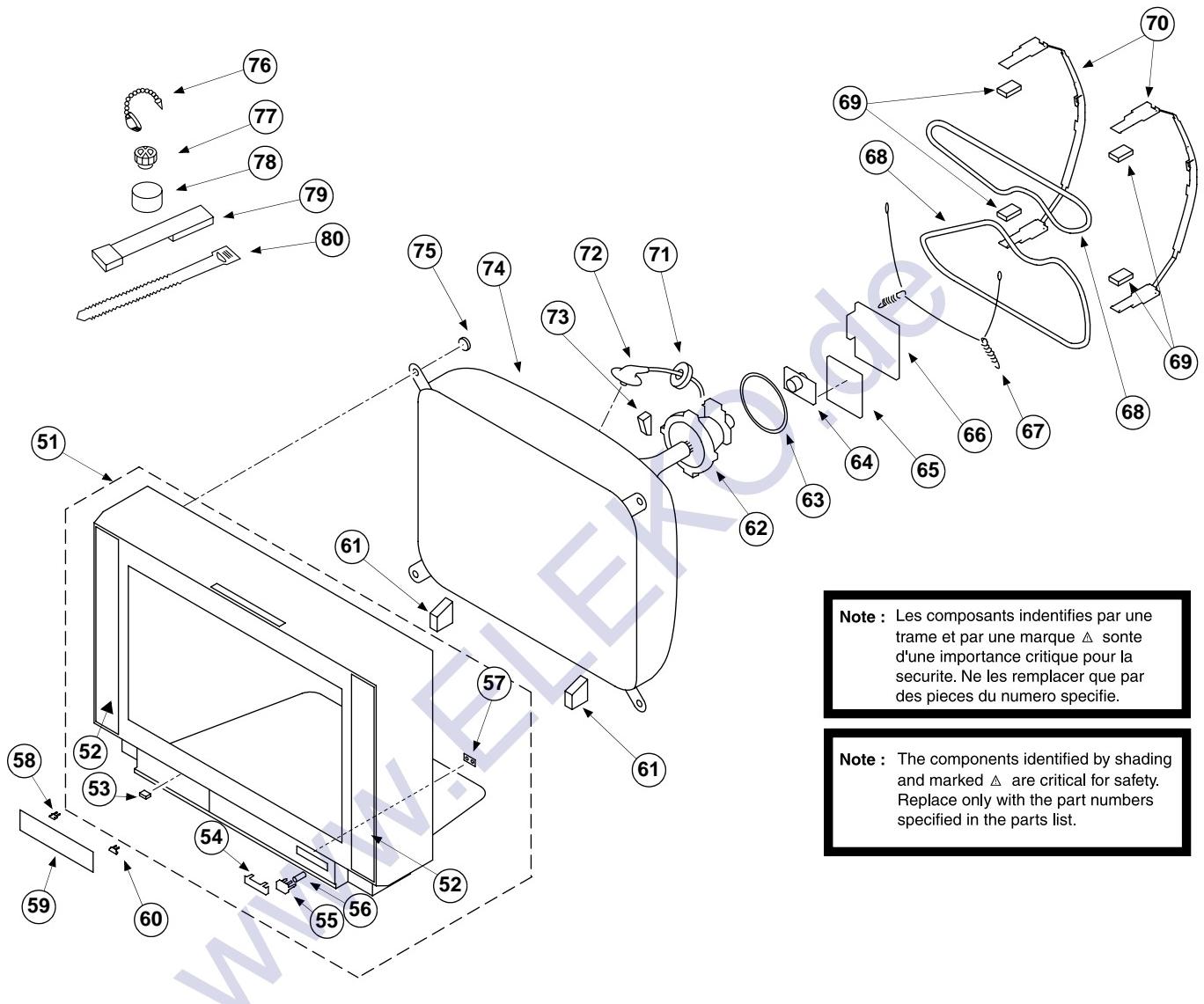


REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
1	*A-1624-073-A	F BOARD, COMPLETE (KV-29FS60)		9	*A-1640-320-A	D1 BOARD, COMPLETE (KV-29FS60)	
	*A-1624-075-A	F BOARD, COMPLETE (KV-32FS60)		10	*A-1640-325-A	D1 BOARD, COMPLETE (KV-32FS60)	
2	*4-204-551-01	BRACKET, F (KV-29FS60)		11	*A-1640-319-A	E BOARD, COMPLETE (KV-29FS60)	
	*4-204-551-11	BRACKET, F (KV-32FS60)		12	*A-1640-324-A	E BOARD, COMPLETE (KV-32FS60)	
3	△ 1-571-433-21	SWITCH, PUSH (AC POWER)		13	*A-1648-018-A	U BOARD, COMPLETE (KV-29FS60)	
4	*1-204-549-01	BRACKET, MAIN		14	*A-1648-017-A	U BOARD, COMPLETE (KV-32FS60)	
5	*A-1640-342-A	D BOARD (29"), COMPLETE (KV-29FS60)		15	*A-1620-117-A	BP BOARD, COMPLETE (KV-29FS60)	
	*A-1640-326-A	D BOARD (32"), COMPLETE (KV-32FS60)		16	*A-1620-115-A	BP BOARD, COMPLETE (KV-32FS60)	
6	△ 1-453-272-11	TRANSFORMER ASSY, FLYBACK (NX-4512/U2B4)		17	4-204-477-01	BRACKET, J2	
7	4-204-476-01	BRACKET, J1		18	*A-1620-116-A	B1 BOARD, COMPLETE (KV-29FS60)	
8	*A-1651-102-A	J BOARD, COMPLETE (KV-29FS60A/29FS60D/ 29FS60E/29FS60K/ 29FS60R/29FS60U)		19	*A-1620-114-A	B1 BOARD, COMPLETE (KV-32FS60)	
	*A-1651-106-A	J BOARD, COMPLETE (KV-29FS60B)		20	1-790-082-11	CABLE, RF	
	*A-1651-101-A	J BOARD, COMPLETE (KV-32FS60A/32FS60D/ 32FS60E)		21	1-693-338-11	TUNER/VIF (AEP) (KV-29FS60A/29FS60D/29FS60E/29FS60K 29FS60R/32FS60A/32FS60D/32FS60E)	
	*A-1651-107-A	J BOARD, COMPLETE (KV-32FS60B)		22	1-693-340-11	TUNER/VIF (FR) (KV-29FS60B/32FS60B)	
				23	1-693-339-11	TUNER/VIF (UK) (KV-29FS60U)	

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
17	Δ 1-574-062-61	CORD, POWER (WITH CONNECTOR) (KV-29FS60A/29FS60B/29FS60D/29FS60E/29FS60K/ 29FS60R/32FS60A/32FS60B/32FS60D/32FS60E)		24	4-039-358-01	SCREW (4X16), (+) BV TAPPING	
	Δ 1-590-762-21	CORD, POWER (WITH UK PLUG) (KV-29FS60U)		25	1-529-153-11	SPEAKER (4.8X20CM)	
18	*A-1624-074-A	F1 BOARD, COMPLETE (KV-29FS60)		26	1-771-599-11	SWITCH, ARRAY	
	*A-1624-076-A	F1 BOARD, COMPLETE (KV-32FS60)		27	A-1678-188-A	WOOFER (R) ASSY	28-30
19	*4-204-552-01	BRACKET, F1		28	1-529-144-11	SPEAKER (13CM)	
20	*A-1646-170-A	H1 BOARD, COMPLETE (KV-29FS60)		29	4-039-355-01	SCREW (4X12), (+) BV TAPPING	
	*A-1646-174-A	H1 BOARD, COMPLETE (KV-32FS60)		30	*A-1678-158-A	WOOFER (R) ASSY, SP FX	
21	*A-1634-049-A	M BOARD, COMPLETE (KV-29FS60)		31	*A-1678-157-A	WOOFER (L) ASSY, SP FX	
	*A-1634-048-A	M BOARD, COMPLETE (KV-32FS60)		32	A-1678-150-A	WOOFER (L) ASSY	28, 29, 31
22	4-204-550-01	BRACKET, H (KV-29FS60)		33	4-204-508-01	COVER, REAR (KV-29FS60)	
	4-204-550-11	BRACKET, H (KV-32FS60)		34	4-204-367-11	COVER, REAR (KV-32FS60)	
23	*A-1630-980-A	A BOARD, COMPLETE (KV-29FS60A/29FS60D/29FS60E/ 29FS60K/29FS60R)		35	4-204-460-01	COVER, SCREW (LEFT) (KV-29FS60)	
	*A-1630-993-A	A BOARD, COMPLETE (KV-29FS60B)		36	4-204-369-01	COVER, SCREW (RIGHT) (KV-32FS60)	
	*A-1630-994-A	A BOARD, COMPLETE (KV-29FS60U)		37	4-302-404-03	SCREW (WASHE HEAD) (+P 4X16)	
	*A-1630-979-A	A BOARD, COMPLETE (KV-32FS60A/32FS60D/ 32FS60E)		38	4-204-458-01	CO ER, PORT	
	*A-1630-995-A	A BOARD, COMPLETE (KV-32FS60B)		39	4-039-461-01	COVER SCREW (RIGHT) (KV-29FS60)	
				40	4-204-370-0	COVER, SCREW (RIGHT) (KV-32FS60)	

6-2. PICTURE TUBE



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
51	X-4200-423-1 A-1605-585-A	BEZNET ASSY (KV-29FS60) BEZNET ASSY (KV-32FS60)		61	4-203-098-01	SUPPORTER, CRT (KV-32FS60A/32FS60B/ 32FS60D/32FS60E)	
52	4-204-473-01 4-204-368-01	GRILLE, SPEAKER (KV-29FS60) GRILLE, SPEAKER (KV-32FS60)		62	Δ 8-451-504-11 Δ 1-451-480-11	DEFLECTION YOKE Y29RSC-M (KV-29FS60) DEFLECTION YOKE Y32RVC2 (KV-32FS60)	
53	4-042-192-11 4-042-192-01	CATCHER, PUSH (KV-29FS60) CATCHER, PUSH (KV-32FS60)		63	1-452-896-11	COIL, NA ROTATION (RT200)	
54	4-204-492-01	WINDOW, ORNAMENTAL		64	Δ 8-453-011-11	NECK ASSY, NA299-M	
55	4-204-438-01	BUTTON, POWER		65	*A-1644-094-A *A-1644-095-A	VM BOARD, COMPLETE (KV-29FS60) VM BOARD, COMPLETE (KV-32FS60)	
56	4-202-964-11	SPRING		66	*A-1638-123-A	C BOARD, COMPLETE (KV-29FS60)	
57	4-204-439-01	GUIDE, LIGHT		67	*A-1638-122-A	C BOARD, COMPLETE (KV-32FS60)	
58	4-202-555-01	SHAFT, DOOR			4-200-433-01	SPRING, EXTENSION (KV-29FS60)	
59	4-204-435-21	DOOR			4-369-318-51	SPRING, TENSION (KV-32FS60)	
60	4-045-250-01	DAMPER					

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
68	Δ 1-416-654-11	COIL, DEMAGNETIC (KV-29FS60)		75	4-036-188-01	SCREW, SELF TAPPING (KV-29FS60)	
	Δ 1-416-769-11	COIL, DEMAGNETIC (KV-32FS60)		4-203-043-01	SCREW (PT) (KV-32FS60)		
69	*4-202-988-01	CUSHION, BOX		76	4-308-870-00	CLIP, LEAD WIRE	
70	*4-060-802-01	HOLDER, DGC (KV-29FS60)		77	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM	
	*4-059-569-01	HOLDER, DGC (KV-32FS60)		78	1-425-032-00	MAGNET, DISK; 10MM	
71	3-704-372-01	HOLDER, HV CABLE		79	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
72	Δ 1-251-317-31	CAP ASSY, HIGH-VOLTAGE		80	3-701-007-00	BAND, BINDING	
73	3-704-495-01	SPACER, DY					
74	Δ 8-735-053-05	PICTURE TUBE (M68LNH060X) (KV-29FS60)					
	Δ 8-735-054-05	PICTURE TUBE (W76LLZ060X) (SD-302) (KV-32FS60)					

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SECTION 7

ELECTRICAL PARTS LIST

Note : Les composants indentifiés par une trame et par une marque Δ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces du numéro spécifié.

Note : The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

CAPACITORS
MF : mF, PF : mmF COILS
MMH : mH , uH

B1

REF. NO.	PART.NO	DESCRIPTION	REMARK		REF. NO.	PART.NO	DE CRIPTIO	REMARK	
	*A-1620-116-A	B1 BOARD, COMPLETE (KV-29FS60) *****			C2335	1-164-004-11	CERAMIC CHIP 0.1MF (KV-32FS60A/32FS60B/32FS60D/32FS60E)	10%	25V
	*A-1620-114-A	B1 BOARD, COMPLETE (KV-32FS60) *****			C2337	1-163 125-00	CERAMIC CHIP 220PF	5%	50V
		< CAPACITOR >			C2338	1-126-934-11	ELECT 220MF	20%	16V
C2301	1-126-934-11	ELECT 220MF	20%	16V	C2339	1-164-00 -11	CERAMIC CHIP 0.47MF		25V
C2302	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2340	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2303	1-126-964-11	ELECT 10MF	20%	50V	C2342	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2304	1-163-125-00	CERAMIC CHIP 220PF	5%	50V	C2344	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2305	1-163-259-91	CERAMIC CHIP 220PF	5%	50V	C245	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2306	1-163-125-00	CERAMIC CHIP 220PF	5%	50V	C2346	1-126-964-11	ELECT 10MF	20%	50V
C2307	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2347	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
C2308	1-163-125-00	CERAMIC CHIP 220PF	5%	50V	C2348	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
C2309	1-126-934-11	ELECT 220MF	20%	1 V	C2349	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2311	1-126-963-11	ELECT 4.7MF	20%	50V	C2350	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2312	1-126-963-11	ELECT 4.7MF	20%	50V	C2351	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2313	1-126-963-11	ELECT 4.7MF	20%	50V	C2354	1-126-934-11	ELECT 220MF	20%	16V
C2314	1-163-141-00	CERAMIC CHIP 0.001MF	5%	50V	C2356	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2315	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V	C2357	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2316	1-110-501-11	CERAMIC CHIP 33MF	10%	16V	C2358	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2317	1-162-638-11	CERAMIC CHIP 1MF		16V	C2361	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2318	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V	C2362	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2319	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V	C2363	1-126-934-11	ELECT 220MF	20%	16V
C2320	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V	C2364	1-163-239-11	CERAMIC CHIP 33PF	5%	50V
C2323	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	C2366	1-163-239-11	CERAMIC CHIP 33PF	5%	50V
C2324	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2367	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2325	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2368	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2327	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2371	1-163-239-11	CERAMIC CHIP 33PF	5%	50V
C2328	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2372	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2329	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2374	1-163-239-11	CERAMIC CHIP 33PF	5%	50V
C2330	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2377	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2331	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2378	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2332	1-163-105-00	CERAMIC CHIP 33PF	5%	50V	C2380	1-163-145-00	CERAMIC CHIP 0.0015MF	5%	50V
C2333	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C2381	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
		(KV-32FS60A/32FS60B/32FS60D/32FS60E)			C2382	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2334	1-126-964-11	ELECT 10MF	20%	50V	C2383	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
					C2385	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
					C2387	1-136-250-11	FILM 0.001MF	2%	100V

B1

B1

BP

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R2369	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R2723	1-216-027-00	RES,CHIP	120 5% 1/10W
R2370	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R2724	1-216-295-91	SHORT	0
R2371	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R2725	1-216-021-00	RES,CHIP	68 5% 1/10W
R2372	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R2726	1-216-295-91	SHORT	0
R2373	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	R2727	1-216-295-91	SHORT	0
R2374	1-216-049-91	RES,CHIP	1K 5% 1/10W	R2734	1-216-295-91	SHORT	0
R2375	1-216-049-91	RES,CHIP	1K 5% 1/10W	R2735	1-216-021-00	RES,CHIP	68 5% 1/10W
R2376	1-216-049-91	RES,CHIP	1K 5% 1/10W	R2736	1-216-295-91	SHORT	0
R2377	1-216-049-91	RES,CHIP	1K 5% 1/10W	R2738	1-216-025-91	RES,CHIP	100 5% 1/10W
R2378	1-216-029-00	RES,CHIP	150 5% 1/10W				< CRYSTAL >
R2379	1-216-076-00	RES,CHIP	13K 5% 1/10W	X2300	1-579-175-11	VIBRATOR, CE AMIC	
R2380	1-216-073-00	RES,CHIP	10K 5% 1/10W				*****
R2381	1-216-021-00	RES,CHIP	68 5% 1/10W				*****
R2382	1-216-049-91	RES,CHIP	1K 5% 1/10W				*****
R2383	1-216-049-91	RES,CHIP	1K 5% 1/10W				*A-1620-117-A B BOAR , COMPLETE (KV-29FS60)
R2384	1-216-021-00	RES,CHIP	68 5% 1/10W				*****
R2385	1-216-037-00	RES,CHIP	330 5% 1/10W				A-1620-115 A BP BOARD , COMPLETE (KV-32FS60)
R2386	1-216-295-91	SHORT	0				*****
R2387	1-216-027-00	RES,CHIP	120 5% 1/10W				< CAPACITOR >
R2388	1-216-037-00	RES,CHIP	330 5% 1/10W	C300	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R2389	1-216-069-00	RES,CHIP	6.8K 5% 1/10W	C301	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R2390	1-216-049-91	RES,CHIP	1K 5% 1/10W	C302	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R2391	1-216-025-91	RES,CHIP	100 5% 1/10W	C303	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R2392	1-216-295-91	SHORT	0	C304	1-164-222-11	CERAMIC CHIP 0.22MF	25V
R2393	1-216-295-91	SHORT	0	C305	1-126-967-11	ELECT	47MF 20% 50V
R2394	1-216-295-91	SHORT	0	C306	1-126-967-11	ELECT	47MF 20% 50V
R2395	1-216-295-91	SHORT	0	C307	1-126-967-11	ELECT	47MF 20% 50V
R2396	1-216-295-91	SHORT	0	C308	1-126-964-11	ELECT	10MF 20% 50V
R2397	1-216-295-91	SHORT	0	C309	1-163-038-91	CERAMIC CHIP 0.1MF	25V
R2398	1-216-295-91	SHORT	0	C310	1-163-038-91	CERAMIC CHIP 0.1MF	25V
R2410	1-216-037-00	RES,CHIP	330 5% 1/10W	C311	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
R2411	1-216-037-00	RES,CHIP	33 5% 1/10W	C312	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
R2412	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	C313	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
R2413	1-216-664-11	METAL CHIP	3.6K 0.50% 1/10W	C314	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
R2415	1-216-295-91	SHORT	0	C315	1-126-964-11	ELECT	10MF 20% 50V
			(KV-32FS60A/32FS60B/32FS60D/32FS60E)	C316	1-163-038-91	CERAMIC CHIP 0.1MF	25V
R2416	1-216-295-91	SHORT	0	C317	1-163-038-91	CERAMIC CHIP 0.1MF	25V
			(KV-29FS60A/29FS60B/29FS60D/29FS60E/	C318	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
			29FS60K/29FS60R/29FS60U)	C319	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
R2711	1-216-001-00	RES,CHIP	10 5% 1/10W	C320	1-126-967-11	ELECT	47MF 20% 50V
R2712	1-216-295-91	SHORT	0	C321	1-126-967-11	ELECT	47MF 20% 50V
R2713	1-216-295-91	SHORT	0	C322	1-126-967-11	ELECT	47MF 20% 50V
R2714	1-216-295-91	SHORT	0	C323	1-163-038-91	CERAMIC CHIP 0.1MF	25V
R2715	1-216-295-91	SHORT	0	C324	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
R2716	1-216-295-91	SHORT	0	C325	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
R2717	1-216-295-91	SHORT	0	C326	1-163-038-91	CERAMIC CHIP 0.1MF	25V
R2718	1-216-295-91	SHORT	0	C327	1-163-038-91	CERAMIC CHIP 0.1MF	25V
R2719	1-216-295-91	SHORT	0	C328	1-126-964-11	ELECT	10MF 20% 50V
R2720	1-216-295-91	SHORT	0	C329	1-126-964-11	ELECT	10MF 20% 50V
R2721	1-216-295-91	SHORT	0	C330	1-126-964-11	ELECT	10MF 20% 50V
R2722	1-216-295-91	SHORT	0				

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C331	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C384	1-126-964-11	ELECT 10MF	20% 50V
C332	1-126-964-11	ELECT 10MF	20% 50V	C385	1-163-231-11	CERAMIC CHIP 15PF	5% 50V
C333	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C386	1-126-964-11	ELECT 10MF	20% 50V
C334	1-126-964-11	ELECT 10MF	20% 50V	C387	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C335	1-126-964-11	ELECT 10MF	20% 50V	C388	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C336	1-126-964-11	ELECT 10MF	20% 50V	C389	1-126-964-11	ELECT 10MF	20% 50V
C337	1-126-964-11	ELECT 10MF	20% 50V	C391	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C338	1-126-964-11	ELECT 10MF	20% 50V	C392	1-126-964-11	ELECT 10MF	20% 50V
C339	1-126-964-11	ELECT 10MF	20% 50V	C393	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C340	1-126-964-11	ELECT 10MF	20% 50V	C394	1-126-964-11	ELECT 10MF	20% 50V
C341	1-163-239-11	CERAMIC CHIP 33PF	5% 50V	C395	1-126-933-11	ELECT 100MF	20% 16V
C342	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C396	1-126-933-11	ELECT 10 MF	20% 16V
C343	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C397	1-126-933-11	ELECT 100MF	20% 16V
C344	1-126-964-11	ELECT 10MF	20% 50V	C398	1-163-239-11	CERAMIC CH 33PF	5% 50V
C345	1-126-964-11	ELECT 10MF	20% 50V	C399	1-163-038-91	CERAMIC CHIP 0. MF	25V
C346	1-126-964-11	ELECT 10MF	20% 50V	C400	1-163-038 1	CERAMIC CHIP 0.1MF	25V
C347	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C401	1-163-0 8-91	CERAMIC CHIP 0.1MF	25V
C348	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C402	1-126-9 4-11	ELECT 10MF	20% 50V
C349	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C403	1-163-038 91	CERAMIC CHIP 0.1MF	25V
C350	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C404	1-07-823-11	CERAMIC CHIP 0.47MF	10% 16V
C351	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C405	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V
C352	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C406	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C353	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C40	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C354	1-163-038-91	CERAMIC CHIP 0.1MF	25V	C408	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C355	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C409	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C357	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50	C410	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C358	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V			< CONNECTOR >	
C359	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	CN300	1-695-300-11	CONNECTOR, BOARD TO BOARD 20P	
C361	1-163-038-91	CERAMIC CHIP 0.1MF	25V	CN301	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	
C362	1-163-038-91	CERAMIC CHIP 0.1MF	25V			< FILTER >	
C363	1-163-038-91	CERAMIC CHIP 0.1MF	25V	FL300	1-233-505-21	FILTER, LOW PASS	
C364	1-163-038-91	CERAMIC CHIP 0.1MF	25V	FL301	1-233-505-21	FILTER, LOW PASS	
C365	1-126-964-11	ELECT 1 MF	0% 50V	FL302	1-236-071-11	ENCAPSULATED COMPONENT	
C366	1-126-964-11	ELECT 10MF	20% 50V	FL303	1-236-071-11	ENCAPSULATED COMPONENT	
C367	1-163-038-91	CERAMIC CHIP 0.1MF	25V	FL304	1-236-071-11	ENCAPSULATED COMPONENT	
C368	1-163-038-91	CERAMIC CHIP .1MF	25V	FL305	1-233-446-11	FILTER, LOW PASS	
C369	1-163-038-91	CERAMIC CHIP 0.1MF	25V	FL306	1-233-446-11	FILTER, LOW PASS	
C370	1-163-038-91	CERAMIC CHIP 0.1MF	25V	FL307	1-233-446-11	FILTER, LOW PASS	
C371	1-163-038-91	CERAMIC CHIP 0.1MF	25V			< IC >	
C372	1-163-038-91	CERAMIC CHIP 0.1MF	25V	IC300	8-752-067-36	IC CXA1815S	
C373	1-163-038-91	CERAMIC CHIP 0.1MF	25V	IC301	8-759-485-79	IC TC7SET08FU(TE85L)	
C374	1-163-038-91	CERAMIC CHIP 0.1MF	25V	IC302	8-759-295-09	IC TLC2932IPW	
C375	1-163-038-91	CERAMIC CHIP 0.1MF	25V	IC303	8-752-392-55	IC CXD2079Q	
C376	1-163-038-91	CERAMIC CHIP 0.1MF	25V	IC304	8-759-295-09	IC TLC2932IPW	
C377	1-163-038-91	CERAMIC CHIP 0.1MF	25V				
C378	1-163-038-91	CERAMIC CHIP 0.1MF	25V	IC305	8-759-485-79	IC TC7SET08FU(TE85L)	
C379	1-163-038-91	CERAMIC CHIP 0.1MF	25V	IC306	8-759-467-22	IC MSM548331TS-K	
C380	1-163-239-11	CERAMIC CHIP 33PF	5% 50V	IC307	8-759-467-22	IC MSM548331TS-K	
C381	1-163-038-91	CERAMIC CHIP 0.1MF	25V	IC308	8-759-485-79	IC TC7SET08FU(TE85L)	
C382	1-163-038-91	CERAMIC CHIP 0.1MF	25V				
C383	1-163-099-00	CERAMIC CHIP 18PF	5% 50V				

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
IC309	8-759-295-09	IC TLC2932IPW		Q322	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC311	8-759-062-66	IC TC7S66F		Q324	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC312	8-759-062-66	IC TC7S66F		Q325	8-729-620-06	TRANSISTOR 2SC3052-EF	
			< COIL >	Q326	8-729-216-22	TRANSISTOR 2SA1162-G	
L300	1-412-029-11	INDUCTOR CHIP	10UH	Q327	8-729-216-22	TRANSISTOR 2SA1162-G	
L301	1-410-435-21	INDUCTOR	220UH	Q328	8-729-216-22	TRANSISTOR 2SA1162-G	
L302	1-410-435-21	INDUCTOR	220UH	Q329	1-801-806-11	TRANSISTOR DTC144EKA-T146	
L303	1-412-029-11	INDUCTOR CHIP	10UH				< RESISTOR >
L304	1-410-435-21	INDUCTOR	220UH	R300	1-216-049-91	RES,CHIP	1K 5% 1/10W
L305	1-410-435-21	INDUCTOR	220UH	R301	1-216-049-91	RES,CHIP	1K 5% 1/10W
L306	1-412-029-11	INDUCTOR CHIP	10UH	R302	1-216-642-11	METAL CHIP	430 0.50% 1/10W
L307	1-412-029-11	INDUCTOR CHIP	10UH	R303	1-216-045-00	RES,CHIP	80 5% 1/10W
L308	1-412-029-11	INDUCTOR CHIP	10UH	R304	1-216-045-00	RES,CHIP	680 5% 1/10W
L309	1-412-029-11	INDUCTOR CHIP	10UH	R305	1-216-656-11	METAL CHIP	1.6K 0.50% 1/10W
L311	1-412-029-11	INDUCTOR CHIP	10UH	R306	1-216-37-00	RES,CHIP	330 5% 1/10W
L312	1-412-029-11	INDUCTOR CHIP	10UH	R307	1-216-037-00	RES,CHIP	330 5% 1/10W
L313	1-412-029-11	INDUCTOR CHIP	10UH	R308	1-216-643-1	METAL CHIP	470 0.50% 1/10W
L314	1-412-029-11	INDUCTOR CHIP	10UH	R309	1-216-045-00	RES,CHIP	680 5% 1/10W
L315	1-412-029-11	INDUCTOR CHIP	10UH	R310	1-216-045-00	RES,CHIP	680 5% 1/10W
L316	1-412-029-11	INDUCTOR CHIP	10UH	R311	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
L317	1-412-029-11	INDUCTOR CHIP	10UH	R312	1-216-654-11	METAL CHIP	1.3K 0.50% 1/10W
L318	1-412-029-11	INDUCTOR CHIP	10UH	R313	1-216-037-00	RES,CHIP	330 5% 1/10W
L319	1-412-029-11	INDUCTOR CHIP	10UH	R314	1-216-037-00	RES,CHIP	330 5% 1/10W
L320	1-412-029-11	INDUCTOR CHIP	10UH	R315	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
L321	1-412-004-31	INDUCTOR CHIP	6.8UH	R316	1-216-663-11	METAL CHIP	3.3K 0.50% 1/10W
L322	1-412-004-31	INDUCTOR CHIP	6.8UH	R317	1-216-049-91	RES,CHIP	1K 5% 1/10W
L323	1-412-004-31	INDUCTOR CHIP	6.8UH	R318	1-216-049-91	RES,CHIP	1K 5% 1/10W
			< TRANSISTOR >	R319	1-216-025-91	RES,CHIP	100 5% 1/10W
Q300	8-729-620-06	TRANSISTOR 2SC3 52-EF		R320	1-216-025-91	RES,CHIP	100 5% 1/10W
Q301	8-729-620-06	TRANSISTOR SC3052-EF		R321	1-216-041-00	RES,CHIP	470 5% 1/10W
Q302	8-729-620-06	TRANSISTOR 2 C3052 EF		R322	1-216-041-00	RES,CHIP	470 5% 1/10W
Q303	8-729-620-06	TRANSI TOR 2SC3052-EF		R323	1-216-041-00	RES,CHIP	470 5% 1/10W
Q304	8-729-620-06	TR NSISTOR 2SC3052-EF		R324	1-216-017-91	RES,CHIP	47 5% 1/10W
Q305	8-729-620-06	TRAN STOR 2SC3052-EF		R325	1-216-025-91	RES,CHIP	100 5% 1/10W
Q306	8-729-216-22	TRANSISTOR 2SA1162-G		R326	1-216-663-11	METAL CHIP	3.3K 0.50% 1/10W
Q307	8-729-216-22	TRANSISTOR 2SA1162-G		R327	1-216-049-91	RES,CHIP	1K 5% 1/10W
Q308	8-729-216-22	TRANSISTOR 2SA1162-G		R328	1-216-049-91	RES,CHIP	1K 5% 1/10W
Q309	8-729-216-22	TRANSISTOR 2SA1162-G		R329	1-216-025-91	RES,CHIP	100 5% 1/10W
Q310	1-801-806-11	TRANSISTOR DTC144EKA-T146		R330	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q311	8-729-216-22	TRANSISTOR 2SA1162-G		R331	1-216-025-91	RES,CHIP	100 5% 1/10W
Q312	8-729-216-22	TRANSISTOR 2SA1162-G		R332	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q313	8-729-216-22	TRANSISTOR 2SA1162-G		R333	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q314	8-729-216-22	TRANSISTOR 2SA1162-G		R336	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
Q315	8-729-620-06	TRANSISTOR 2SC3052-EF		R337	1-216-049-91	RES,CHIP	1K 5% 1/10W
Q316	8-729-216-22	TRANSISTOR 2SA1162-G		R338	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q317	8-729-620-06	TRANSISTOR 2SC3052-EF		R339	1-216-623-11	METAL CHIP	68 0.50% 1/10W
Q318	8-729-216-22	TRANSISTOR 2SA1162-G		R340	1-216-623-11	METAL CHIP	68 0.50% 1/10W
Q319	8-729-216-22	TRANSISTOR 2SA1162-G		R341	1-216-049-91	RES,CHIP	1K 5% 1/10W
Q320	8-729-620-06	TRANSISTOR 2SC3052-EF		R342	1-216-623-11	METAL CHIP	68 0.50% 1/10W
				R343	1-216-623-11	METAL CHIP	68 0.50% 1/10W

REF. NO.	PART.NO	DESCRIPTION	REMARK			REF. NO.	PART.NO	DESCRIPTION	REMARK		
R344	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R406	1-216-017-91	RES,CHIP	47	5%	1/10W
R345	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R407	1-216-025-91	RES,CHIP	100	5%	1/10W
R346	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R408	1-216-017-91	RES,CHIP	47	5%	1/10W
R347	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R409	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R351	1-216-049-91	RES,CHIP	1K	5%	1/10W	R410	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R352	1-216-025-91	RES,CHIP	100	5%	1/10W	R411	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R353	1-216-049-91	RES,CHIP	1K	5%	1/10W	R412	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R357	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R413	1-216-041-00	RES,CHIP	470	5%	1/10W
R358	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R414	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R359	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R415	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R360	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R417	1-216-117-00	RES,CHIP	680K	5%	1/10W
R361	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R418	1-216-033-00	RES,CHIP	20	%	1/10W
R362	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R419	1-216-037-00	RES,CHIP	30	5%	1/10W
R363	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R420	1-216-033-00	RES,CHIP	220	5%	1/10W
R364	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R421	1-216-037-00	RES,CHIP	30	5%	1/10W
R365	1-216-623-11	METAL CHIP	68	0.50%	1/10W	R422	1-216-017-1	ES,CHIP	47	5%	1/10W
R368	1-216-025-91	RES,CHIP	100	5%	1/10W	R423	1-216-07-91	RES,CHIP	47	5%	1/10W
R369	1-216-025-91	RES,CHIP	100	5%	1/10W	R424	1-216-07-91	RES,CHIP	47	5%	1/10W
R371	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R425	1-16-017-91	RES,CHIP	47	5%	1/10W
R372	1-216-049-91	RES,CHIP	1K	5%	1/10W	R426	1-16-017-91	RES,CHIP	47	5%	1/10W
R373	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	R427	1-216-017-91	RES,CHIP	47	5%	1/10W
R374	1-216-033-00	RES,CHIP	220	5%	1/10W	R429	1-216-295-91	SHORT	0		
R375	1-216-037-00	RES,CHIP	330	5%	1/10W	R43	1-216-029-00	RES,CHIP	150	5%	1/10W
R376	1-216-117-00	RES,CHIP	680K	5%	1/10W	R432	1-216-029-00	RES,CHIP	150	5%	1/10W
R377	1-216-041-00	RES,CHIP	470	5%	1/10W	R433	1-216-029-00	RES,CHIP	150	5%	1/10W
R378	1-216-041-00	RES,CHIP	470	5%	1/10W	R434	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R379	1-216-051-00	RES,CHIP	1.2K	5%	1/10W	R436	1-216-049-91	RES,CHIP	1K	5%	1/10W
R380	1-216-033-00	RES,CHIP	220	5%	1/10W	R438	1-216-041-00	RES,CHIP	470	5%	1/10W
R381	1-216-117-00	RES,CHIP	680K	5%	1/10W	R439	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R382	1-216-037-00	RES,CHIP	330	5%	1/10W	R440	1-216-049-91	RES,CHIP	1K	5%	1/10W
R383	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R441	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R385	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W	R442	1-216-041-00	RES,CHIP	470	5%	1/10W
R386	1-216-025-91	RES,CHIP	100	5%	1/10W	R444	1-216-049-91	RES,CHIP	1K	5%	1/10W
R387	1-216-643-11	METAL CHIP	470	0.50%	1/10W	R445	1-216-041-00	RES,CHIP	470	5%	1/10W
R388	1-216-025-91	RES,CHIP	100	5%	1/10W	R447	1-216-049-91	RES,CHIP	1K	5%	1/10W
R389	1-216-025-91	RES,CHIP	100	5%	1/10W	R448	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R390	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W	R449	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R391	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	R450	1-216-049-91	RES,CHIP	1K	5%	1/10W
R393	1-216-037-00	RES,CHIP	330	5%	1/10W	R451	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R394	1-216-033-00	RES,CHIP	220	5%	1/10W	R452	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R395	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R453	1-216-049-91	RES,CHIP	1K	5%	1/10W
R396	1-216-636-11	METAL CHIP	240	0.50%	1/10W	R454	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R397	1-216-636-11	METAL CHIP	240	0.50%	1/10W	R455	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R398	1-216-049-91	RES,CHIP	1K	5%	1/10W	R456	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R399	1-216-025-91	RES,CHIP	100	5%	1/10W	R457	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R400	1-216-638-11	METAL CHIP	300	0.50%	1/10W	R458	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R401	1-216-025-91	RES,CHIP	100	5%	1/10W	R459	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R402	1-216-025-91	RES,CHIP	100	5%	1/10W	R460	1-216-041-00	RES,CHIP	470	5%	1/10W
R403	1-216-025-91	RES,CHIP	100	5%	1/10W	R461	1-216-037-00	RES,CHIP	330	5%	1/10W
R404	1-216-017-91	RES,CHIP	47	5%	1/10W	R462	1-216-037-00	RES,CHIP	330	5%	1/10W
R405	1-216-017-91	RES,CHIP	47	5%	1/10W	R463	1-216-041-00	RES,CHIP	470	5%	1/10W

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK		
C1132	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V	C1614	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		
C1133	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C1615	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		
C1134	1-126-961-11	ELECT 2.2MF	20% 50V	C1617	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		
C1135	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	< CONNECTOR >					
C1136	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN1111	*1-564-520-11	PLUG, CONNECTOR 5P			
C1137	1-126-953-11	ELECT 2200MF	20% 35V	CN1200	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P			
C1138	1-126-953-11	ELECT 2200MF	20% 35V	CN1300	1-695-297-11	CONNECTOR, BOARD TO BOARD 20P			
C1139	1-104-329-11	CERAMIC CHIP 0.1MF	10% 50V	CN1301	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P			
C1140	1-111-216-91	ELECT 150MF	20% 63V	CN1401	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P			
C1151	1-162-568-11	CERAMIC CHIP 0.33MF	10% 16V	CN1402	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P	(KV-29FS60B/32FS60B)		
C1152	1-136-177-00	FILM 1MF	5% 50V	CN1600	1-900-903-64	CONNECTOR ASSY 20P			
C1153	1-163-135-00	CERAMIC CHIP 560PF	5% 50V	CN1601	1-900-903-64	CONNECTOR SY, 2 P			
C1154	1-130-777-00	FILM 0.1MF	5% 63V	CN1602	1-900-903-64	CONNECTOR ASSY, 20P			
C1155	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	CN1700	*1-568-879-11	IN, CONNECTOR 4P			
C1156	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	CN1701	1-573-26-11	CONNECTOR, BOARD TO BOARD 10P			
C1157	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V	CN1702	*1-568-80-51	PIN, CONNECTOR 5P			
C1158	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN1703	*1-64-514-11	PLU, CONNECTOR 11P			
C1159	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN1801	1-95-299-11	CONNECTOR, BOARD TO BOARD 50P			
C1160	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN1901	1-95-298-11	CONNECTOR, BOARD TO BOARD 40P			
C1161	1-104-329-11	CERAMIC CHIP 0.1MF	10% 50V	< COMPOSITION CIRCUIT BLOCK >					
C1162	1-111-216-91	ELECT 150MF	20% 63V	CP1300	1-251-658-11	SPLITTER RF			
C1176	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	< DIODE >					
C1177	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D1100	8-719-914-43	DIODE DAN202K			
C1178	1-126-964-11	ELECT 10MF	20% 50V	D1101	8-719-914-44	DIODE DAP202K			
C1179	1-126-964-11	ELECT 10MF	20% 50V	D1102	8-719-914-43	DIODE DAN202K			
C1180	1-126-952-11	ELECT 1000MF	20% 35	D1103	8-719-914-43	DIODE DAN202K			
C1181	1-126-952-11	ELECT 1000MF	20% 35V	D1401	8-719-105-99	DIODE RD6.2M-B1			
C1182	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D1402	8-719-105-99	DIODE RD6.2M-B1			
C1183	1-164-004-11	CERAMIC CHIP 0.1MF	10% 5V	D1403	8-719-105-99	DIODE RD6.2M-B1			
C1184	1-107-823-11	CERAMIC CHIP 0.47MF	10 1 V	D1404	8-719-105-99	DIODE RD6.2M-B1			
C1185	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	D1626	8-719-914-43	DIODE DAN202K			
C1226	1-104-661-91	ELECT 330MF	20% 16V	D1627	8-719-914-43	DIODE DAN202K			
C1300	1-126-933-11	ELECT 1.0MF	0% 16V	D1629	8-719-914-43	DIODE DAN202K			
C1301	1-163-059-91	CERAMIC CHIP 0.01MF	10% 50V	< FERRITE BEAD >					
C1326	1-163-059-91	CERAMIC CHIP 0.01MF	10% 50V	C1327	1-126-934-11	ELECT 20MF	20% 10V		
C1328	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C1350	1-163-059-91	CERAMIC CHIP 0.01MF	10% 50V		
C1351	1-126-934-11	ELECT 220MF	20% 10V	C1351	1-126-934-11	ELECT 220MF	20% 10V		
C1601	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C1602	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		
C1603	1-126-933-11	ELECT 100MF	20% 16V	FB1126	1-535-143-61	LEAD, JUMPER (5.0MM)			
C1604	1-126-933-11	ELECT 100MF	20% 16V	FB1151	1-535-143-61	LEAD, JUMPER (5.0MM)			
C1605	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	< IC >					
C1607	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	IC1126	8-759-544-25	IC TDA7482			
C1608	1-126-934-11	ELECT 220MF	20% 16V	IC1151	8-759-544-25	IC TDA7482			
C1609	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	IC1176	8-759-333-24	IC LM1876TF			
C1610	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	IC1400	8-752-072-94	IC CXA1875AM-T4			
C1611	1-126-933-11	ELECT 100MF	20% 16V	IC1401	8-759-439-64	IC HEF4053BT			
C1612	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	IC1601	8-759-457-44	IC KA78R05TU			
C1613	1-126-933-11	ELECT 100MF	20% 16V	IC1602	8-759-544-09	IC KA278R05TU			

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
IC1603	8-759-295-82	IC L78L08ACZ-AP		R1176	1-216-063-91	RES,CHIP	3.9K 5% 1/10W
IC1604	8-759-544-13	IC KA78R09TU		R1177	1-216-063-91	RES,CHIP	3.9K 5% 1/10W
IC1605	8-759-544-11	IC KA78R33TU		R1178	1-216-357-00	METAL OXIDE	4.7 5% 1W F
			< COIL >	R1179	1-216-357-00	METAL OXIDE	4.7 5% 1W F
L1126	1-416-966-11	CHOKE, COIL 30uH		R1180	1-216-081-00	RES,CHIP	22K 5% 1/10W
L1127	1-414-158-11	INDUCTOR 2.2UH		R1181	1-216-045-00	RES,CHIP	680 5% 1/10W
L1128	1-535-143-61	LEAD, JUMPER (5.0MM)		R1182	1-216-081-00	RES,CHIP	22K 5% 1/10W
L1151	1-416-966-11	CHOKE, COIL 30uH		R1183	1-216-045-00	RES,CHIP	680 5% 1/10W
L1152	1-414-158-11	INDUCTOR 2.2UH		R1184	1-216-089-91	RES,CHIP	47K 5% 1/10W
L1153	1-535-143-61	LEAD, JUMPER (5.0MM)		R1185	1-216-089-91	RES,CHIP	47K 5% 1/10W
L1300	1-414-183-41	INDUCTOR 10UH		R1201	1-216-089-91	RES,CHIP	47K 5% 1/10W
L1326	1-414-183-41	INDUCTOR 10UH		R1202	1-216-083-00	RES,CHIP	27K 5% 1/10W
L1350	1-414-183-41	INDUCTOR 10UH		R1203	1-216-083-00	RES,CHIP	7K 5% 1/10W
			< TRANSISTOR >	R1204	1-216-071-00	RES,CHIP	8.2K 5% 1/10W
Q1100	8-729-216-22	TRANSISTOR 2SA1162-G		R1205	1-216-089-91	RES,CHIP	47K 5% 1/10W
Q1201	8-729-620-06	TRANSISTOR 2SC3052-EF		R1206	1-216-73-00	RES,CHIP	10K 5% 1/10W
Q1202	8-729-620-06	TRANSISTOR 2SC3052-EF		R1207	1-216-065 91	RES,CHIP	4.7K 5% 1/10W
Q1203	8-729-620-06	TRANSISTOR 2SC3052-EF		R1208	1-216-089- 1	RES,CHIP	47K 5% 1/10W
Q1204	8-729-620-06	TRANSISTOR 2SC3052-EF		R1209	1-216-065 91	RES,CHIP	4.7K 5% 1/10W
Q1226	8-729-620-06	TRANSISTOR 2SC3052-EF		R1210	1-216-089-91	METAL CHIP	47K 5% 1/10W
Q1227	8-729-620-06	TRANSISTOR 2SC3052-EF					(KV-29FS60A/29FS60D/29FS60E/29FS60K/29FS60R/32FS60A/32FS60D/32FS60E)
Q1229	8-729-027-38	TRANSISTOR DTA144EKA-T146					(KV-29FS60B/29FS60U/32FS60B)
Q1300	1-801-806-11	TRANSISTOR DTC144EKA-T146		R1226	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q1326	8-729-620-06	TRANSISTOR 2SC3052-EF		R1227	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q1327	8-729-216-22	TRANSISTOR 2SA1162-G		R1228	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q1328	8-729-620-06	TRANSISTOR 2SC3052-EF		R1229	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q1329	8-729-216-22	TRANSISTOR 2SA1162-G		R1230	1-216-055-00	RES,CHIP	1.8K 5% 1/10W
Q1350	8-729-620-06	TRANSISTOR 2SC3052-E		R1232	1-216-295-91	SHORT	0
Q1351	8-729-216-22	TRANSISTOR 2SA1162-G		R1233	1-216-049-91	RES,CHIP	1K 5% 1/10W
Q1400	8-729-046-47	TRANSISTOR KSC25 0-BTA		R1300	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q1601	8-729-620-06	TRANSISTOR 2 C305 EF		R1301	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q1626	8-729-620-06	TRANSISTOR 2S 3052-EF		R1326	1-216-025-91	RES,CHIP	100 5% 1/10W
			< RESISTO >	R1327	1-216-025-91	RES,CHIP	100 5% 1/10W
R1001	1-216-295-91	SHORT 0		R1328	1-216-073-00	RES,CHIP	10K 5% 1/10W
R1002	1-216-295-91	SHORT 0		R1329	1-216-025-91	RES,CHIP	100 5% 1/10W
R1003	1-216-295-91	SHORT 0		R1330	1-216-041-00	RES,CHIP	470 5% 1/10W
R1004	1-216-295-91	SHORT 0		R1331	1-216-041-00	RES,CHIP	470 5% 1/10W
R1005	1-216-295-91	SHORT 0		R1332	1-216-041-00	RES,CHIP	470 5% 1/10W
R1006	1-216-295-91	SHORT 0		R1333	1-216-075-00	RES,CHIP	12K 5% 1/10W
R1100	1-216-025-91	RES,CHIP 100 5% 1/10W		R1334	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
R1101	1-216-057-00	RES,CHIP 2.2K 5% 1/10W		R1335	1-216-025-91	RES,CHIP	100 5% 1/10W
R1102	1-216-057-00	RES,CHIP 2.2K 5% 1/10W		R1336	1-216-041-00	RES,CHIP	470 5% 1/10W
R1126	1-216-631-11	METAL CHIP 150 0.50% 1/10W		R1337	1-216-041-00	RES,CHIP	470 5% 1/10W
R1127	1-216-075-00	RES,CHIP 12K 5% 1/10W		R1338	1-216-001-00	RES,CHIP	10 5% 1/10W
R1128	1-216-041-00	RES,CHIP 470 5% 1/10W		R1339	1-216-041-00	RES,CHIP	470 5% 1/10W
R1151	1-216-631-11	METAL CHIP 150 0.50% 1/10W		R1340	1-216-043-91	RES,CHIP	560 5% 1/10W
R1152	1-216-075-00	RES,CHIP 12K 5% 1/10W		R1342	1-216-073-00	RES,CHIP	10K 5% 1/10W
R1153	1-216-041-00	RES,CHIP 470 5% 1/10W		R1350	1-216-073-00	RES,CHIP	10K 5% 1/10W
				R1351	1-216-025-91	RES,CHIP	100 5% 1/10W
				R1352	1-216-025-91	RES,CHIP	100 5% 1/10W

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R1353	1-216-073-00	RES,CHIP	10K 5% 1/10W	C9105	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1354	1-216-025-91	RES,CHIP	100 5% 1/10W	C9110	1-165-321-11	CERAMIC CHIP 0.68MF	10% 16V
R1355	1-216-041-00	RES,CHIP	470 5% 1/10W	C9111	1-164-157-11	CERAMIC CHIP 0.068MF	10% 25V
R1356	1-216-041-00	RES,CHIP	470 5% 1/10W	C9112	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1357	1-216-041-00	RES,CHIP	470 5% 1/10W	C9113	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1400	1-216-053-00	RES,CHIP	1.5K 5% 1/10W	C9114	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1401	1-216-081-00	RES,CHIP	22K 5% 1/10W	C9115	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
R1402	1-216-097-91	RES,CHIP	100K 5% 1/10W	C9117	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1405	1-216-025-91	RES,CHIP	100 5% 1/10W	C9118	1-104-664-11	ELECT 47MF	20% 25V
R1406	1-216-025-91	RES,CHIP	100 5% 1/10W	C9119	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
R1407	1-216-025-91	RES,CHIP	100 5% 1/10W	C9121	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
R1408	1-216-025-91	RES,CHIP	100 5% 1/10W	C9122	1-115-340-11	CERAMIC CHIP 0.2MF	10% 25V
R1409	1-216-025-91	RES,CHIP	100 5% 1/10W	C9123	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1410	1-216-025-91	RES,CHIP	100 5% 1/10W	C9124	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1601	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	C9125	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1602	1-216-691-11	METAL CHIP	47K 0.50% 1/10W	C9126	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
R1603	1-216-025-91	RES,CHIP	100 5% 1/10W	C9127	1-163-15-00	CERAMIC CHIP 33PF	5% 50V
R1605	1-216-049-91	RES,CHIP	1K 5% 1/10W	C9128	1-163-15-00	CERAMIC CHIP 33PF	5% 50V
R1609	1-216-089-91	RES,CHIP	47K 5% 1/10W	C9129	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
R1610	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	C9130	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
R1615	1-216-025-91	RES,CHIP	100 5% 1/10W	C9131	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
R1616	1-216-304-11	RES,CHIP	3.3 5% 1/10W	9132	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1617	1-216-304-11	RES,CHIP	3.3 5% 1/10W	C94	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
R1618	1-216-295-91	SHORT	0	C9500	1-104-664-11	ELECT 47MF	20% 25V
R1621	1-216-027-00	RES,CHIP	120 5% 1/10W	C9502	1-104-664-11	ELECT 47MF	20% 25V
R1622	1-216-029-00	RES,CHIP	150 5% 1/10W	C9503	1-126-964-11	ELECT 10MF	20% 50V
R1623	1-216-033-00	RES,CHIP	220 5% 1/10W	C9504	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
R1625	1-216-295-91	SHORT	0	C9505	1-104-665-11	ELECT 100MF	20% 25V
				C9506	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
				C9507	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
< TUNER >							
TU1326	1-693-338-21	TUNER/VIF (AEP) (KV-29FS60A/29S60D/9FS60E/29FS60K/ 29FS60R/32FS60A/32FS60D/32FS60E)		C9508	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
	1-693-340-21	TUNER/VIF (FR) (KV-29S60B/32FS60B)		C9509	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	1-693-339-21	TUNER/VIF (UK) KV-29FS60U)		C9510	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
TU1350	1-693-338-21	TUNER/VIF (AEP) (KV-29FS60A/29FS60D/29FS60E/29FS60K/ 29FS60R/32FS60A/32FS60D/32FS60E)		C9511	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	1-693-340-21	TUNER/VIF (FR) (KV-29FS60B/32FS60B)		C9512	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	1-693-339-21	TUNER/VIF (UK) KV-29FS60U)		C9513	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C9514	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
				C9515	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
				C9516	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
				C9517	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V

*A-1634-049-A	M BOARD, COMPLETE (KV-29FS60)			C9518	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
	*****			C9519	1-126-964-11	ELECT 10MF	20% 50V
*A-1634-048-A	M BOARD, COMPLETE (KV-32FS60)			C9520	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
< CONNECTOR >							
				CN9101	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	
< CAPACITOR >							
C9100	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V				
C9101	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	D9100	8-719-988-62	DIODE 1SS355	
C9102	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	D9101	8-719-988-62	DIODE 1SS355	
C9104	1-104-664-11	ELECT 47MF	20% 25V	D9102	8-719-988-62	DIODE 1SS355	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D9103	8-719-988-62	DIODE 1SS355		R9102	1-216-033-00	RES,CHIP	220 5% 1/10W
D9104	8-719-056-83	DIODE UDV-TE-17-6.8B		R9103	1-216-025-91	RES,CHIP	100 5% 1/10W
D9105	8-719-914-43	DIODE DAN202K		R9104	1-216-073-00	RES,CHIP	10K 5% 1/10W
D9107	8-719-025-31	DIODE 02C25.6-TE85L		R9105	1-216-073-00	RES,CHIP	10K 5% 1/10W
D9108	8-719-914-44	DIODE DAP202K		R9107	1-216-025-91	RES,CHIP	100 5% 1/10W
D9109	8-719-105-91	DIODE RD5.6M-B2		R9108	1-216-025-91	RES,CHIP	100 5% 1/10W
D9110	8-719-914-43	DIODE DAN202K		R9109	1-216-073-00	RES,CHIP	10K 5% 1/10W
D9111	8-719-105-91	DIODE RD5.6M-B2		R9110	1-216-081-00	RES,CHIP	22K 5% 1/10W
		< FILTER >		R9111	1-216-025-91	RES,CHIP	100 5% 1/10W
FL9101	1-236-071-11	ENCAPSULATED COMPONENT		R9112	1-216-025-91	RES,CHIP	100 5% 1/10W
FL9500	1-236-071-11	ENCAPSULATED COMPONENT		R9113	1-216-033-00	RES,CHIP	220 5% 1/10W
FL9501	1-236-071-11	ENCAPSULATED COMPONENT		R9114	1-216-083-00	RES,CHIP	27K 5% 1/10W
		< IC >		R9115	1-216-081-00	RES,CHIP	2K 5% 1/10W
IC9100	8-759-988-13	IC LM393PS		R9116	1-216-073-00	RES,CHIP	10K 5% 1/10W
IC9104	8-759-259-18	IC MB3793-42PNF		R9117	1-216-073-00	RES,CHIP	10K 5% 1/10W
IC9105	8-759-544-30	IC SAB-C161R1-LM		R9119	1-216-73-00	RES,CHIP	10K 5% 1/10W
IC9107	8-759-395-27	IC TC55257DFTL-70V		R9120	1-216-073-00	RES,CHIP	10K 5% 1/10W
IC9108	8-759-531-64	IC M24C32-BN6		R9121	1-216-017-1	RES,CHIP	47 5% 1/10W
IC9109	8-759-544-32	IC M27C800-100K1		R9122	1-216-049-91	RES,CHIP	1K 5% 1/10W
IC9110	8-759-559-96	IC HEF4094BT		R9123	1-216-073-00	RES,CHIP	10K 5% 1/10W
IC9400	8-759-481-78	IC M29F040-120N1		R9127	1-216-049-91	RES,CHIP	1K 5% 1/10W
IC9500	8-759-034-47	IC MC74F00M-T2		R9138	1-216-049-91	RES,CHIP	1K 5% 1/10W
IC9501	8-759-483-52	IC HYB514400BJ-60		R9144	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
IC9502	8-759-438-62	IC SDA5275		R9145	1-216-049-91	RES,CHIP	1K 5% 1/10W
		< COIL >		R9146	1-216-049-91	RES,CHIP	1K 5% 1/10W
L9400	1-412-029-11	INDUCTOR CHIP 10UH		R9147	1-216-049-91	RES,CHIP	1K 5% 1/10W
L9401	1-412-029-11	INDUCTOR CHIP 10UH		R9148	1-216-073-00	RES,CHIP	10K 5% 1/10W
		< TRANSISTOR >		R9149	1-216-025-91	RES,CHIP	100 5% 1/10W
Q9100	8-729-620-06	TRANSISTOR 2S 3052-EF		R9150	1-216-025-91	RES,CHIP	100 5% 1/10W
Q9101	8-729-620-06	TRANSISTOR 2SC3052-EF		R9151	1-216-025-91	RES,CHIP	100 5% 1/10W
Q9102	8-729-216-22	TRANSISTOR 2SA1162-G		R9153	1-216-025-91	RES,CHIP	100 5% 1/10W
Q9103	8-729-620-06	TRANSISTOR 2SC3052-EF		R9159	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q9105	8-729-620-06	TRANSISTOR 2SC3052-EF		R9161	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q9106	8-729-027-46	TRANSISTOR DTC114YKA-T146		R9162	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q9107	8-729-027-46	TRANSISTOR DTC114YKA-T146		R9164	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q9108	8-729-027-46	TRANSISTOR DTC114YKA-T146		R9166	1-216-073-00	RES,CHIP	10K 5% 1/10W
Q9109	8-729-027-46	TRANSISTOR DTC114YKA-T146		R9168	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q9110	8-729-620-06	TRANSISTOR 2SC3052-EF		R9169	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q9500	8-729-216-22	TRANSISTOR 2SA1162-G		R9172	1-216-069-00	RES,CHIP	6.8K 5% 1/10W
Q9501	8-729-216-22	TRANSISTOR 2SA1162-G		R9173	1-216-295-91	SHORT	0
Q9502	8-729-216-22	TRANSISTOR 2SA1162-G		R9174	1-216-025-91	RES,CHIP	100 5% 1/10W
Q9503	1-801-806-11	TRANSISTOR DTC144EKA-T146		R9175	1-216-025-91	RES,CHIP	100 5% 1/10W
Q9504	1-801-806-11	TRANSISTOR DTC144EKA-T146		R9176	1-216-025-91	RES,CHIP	100 5% 1/10W
		< RESISTOR >		R9177	1-216-025-91	RES,CHIP	100 5% 1/10W
R9100	1-216-073-00	RES,CHIP	10K 5% 1/10W	R9178	1-216-025-91	RES,CHIP	100 5% 1/10W
R9101	1-216-033-00	RES,CHIP	220 5% 1/10W	R9184	1-216-025-91	RES,CHIP	100 5% 1/10W
				R9185	1-216-025-91	RES,CHIP	100 5% 1/10W

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REF. NO.	PART.NO	DESCRIPTION			REMARK	REF. NO.	PART.NO	DESCRIPTION			REMARK
R9186	1-216-025-91	RES,CHIP	100	5%	1/10W			*A-1638-123-A	C BOARD, COMPLETE (KV-29FS60)		
R9187	1-216-065-91	RES,CHIP	4.7K	5%	1/10W			*****	*****		
R9188	1-216-025-91	RES,CHIP	100	5%	1/10W			*A-1638-122-A	C BOARD, COMPLETE (KV-32FS60)		
R9189	1-216-025-91	RES,CHIP	100	5%	1/10W			*****	*****		
R9190	1-216-025-91	RES,CHIP	100	5%	1/10W						
R9191	1-216-025-91	RES,CHIP	100	5%	1/10W			1-671-108-11	PWB, C IC		
R9192	1-216-025-91	RES,CHIP	100	5%	1/10W			4-382-854-11	SCREW (M3X10), P, SW (+)		
R9193	1-216-097-91	RES,CHIP	100K	5%	1/10W			< CAPACITOR >			
R9194	1-216-097-91	RES,CHIP	100K	5%	1/10W			C5301	1-102-129-00	CERAMIC	0.01MF
R9195	1-216-097-91	RES,CHIP	100K	5%	1/10W			C5302	1-128-528-11	ELECT	470MF
R9196	1-216-073-00	RES,CHIP	10K	5%	1/10W			C5304	1-107-666-11	ELECT	1MF
R9197	1-216-073-00	RES,CHIP	10K	5%	1/10W			C5305	1-136-207-11	FILM	0 47MF
R9500	1-216-295-91	SHORT	0					C5306	1-102-157-00	CERAMIC	560PF
R9501	1-216-295-91	SHORT	0					C5325	1-102-959-00	CERAMIC	22PF
R9502	1-216-295-91	SHORT	0					C5326	1-102-157-00	CERAMIC	560PF
R9504	1-216-041-00	RES,CHIP	470	5%	1/10W			C5327	1-102-129-0	CERAMIC	0.01MF
R9505	1-216-051-00	RES,CHIP	1.2K	5%	1/10W			C5328	1-128-5 8-11	ELECT	470MF
R9506	1-216-073-00	RES,CHIP	10K	5%	1/10W			C5329	1-107-6 6-11	ELECT	1MF
R9507	1-216-097-91	RES,CHIP	100K	5%	1/10W			C5330	1- 36-207-11	FILM	0.047MF
R9508	1-216-017-91	RES,CHIP	47	5%	1/10W			C5350	1- 07-907 11	ELECT	22MF
R9509	1-216-049-91	RES,CHIP	1K	5%	1/10W			C5352	1-102-157-00	CERAMIC	560PF
R9510	1-216-017-91	RES,CHIP	47	5%	1/10W			C5353	1-102-129-00	CERAMIC	0.01MF
R9511	1-216-049-91	RES,CHIP	1K	5%	1/10W			C53	1-128-528-11	ELECT	470MF
R9512	1-216-017-91	RES,CHIP	47	5%	1/10W			C5355	1-107-666-11	ELECT	1MF
R9513	1-216-017-91	RES,CHIP	47	5%	1/10W			C53 6	1-136-207-11	FILM	0.047MF
R9514	1-216-017-91	RES,CHIP	47	5%	1/10W			C5375	1-107-902-11	ELECT	1MF
R9515	1-216-295-91	SHORT	0					C5377	1-162-115-00	CERAMIC	330PF
R9516	1-216-295-91	SHORT	0					C5378	1-162-116-00	CERAMIC	680PF
R9517	1-216-295-91	SHORT	0					C5379	1-162-116-00	CERAMIC	680PF
R9518	1-216-049-91	RES,CHIP	1K	5%	1/ 0W			C5380	1-107-652-11	ELECT	10MF
R9519	1-216-039-00	RES,CHIP	390	5%	1/10W			C5381	1-162-116-00	CERAMIC	680PF
R9520	1-216-039-00	RES,CHIP	390	5%	1/10W			C5382	1-162-114-00	CERAMIC	0.0047MF
R9521	1-216-039-00	RES,CHIP	390	5%	1/10W			< CONNECTOR >			
R9522	1-216-295-91	SHORT						CN5400	1-564-511-11	PLUG, CONNECTOR 8P	
R9523	1-216-295-91	SHORT	0					CN5511	1-695-915-11	TAB (CONTACT)	
R9524	1-216-295-91	SHORT	0					CN5522	1-695-915-11	TAB (CONTACT)	
R9525	1-216-057-00	RES,CHIP	2.2K	5%	1/10W			CN5600	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
R9526	1-216-057-00	RES,CHIP	2.2K	5%	1/10W			< DIODE >			
R9527	1-216-057-00	RES,CHIP	2.2K	5%	1/10W			D5300	8-719-911-19	DIODE 1SS119-25	
R9528	1-216-025-91	RES,CHIP	100	5%	1/10W			D5302	8-719-901-83	DIODE 1SS83	
R9529	1-216-025-91	RES,CHIP	100	5%	1/10W			D5325	8-719-911-19	DIODE 1SS119-25	
R9530	1-216-025-91	RES,CHIP	100	5%	1/10W			D5326	8-719-923-60	DIODE MTZJ-T-77-9.1A	
R9531	1-216-295-91	SHORT	0					D5327	8-719-901-83	DIODE 1SS83	
< CRYSTAL >								D5350	8-719-911-19	DIODE 1SS119-25	
X9101	1-781-107-21	RESONATOR						D5351	8-719-991-33	DIODE 1SS133T-77	
X9500	1-760-551-21	VIBRATOR, CERAMIC						D5353	8-719-901-83	DIODE 1SS83	
								D5375	8-719-991-33	DIODE 1SS133T-77	
								D5376	8-719-991-33	DIODE 1SS133T-77	
								D5377	8-719-908-03	DIODE GP08D	

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D5378	8-719-921-88	DIODE MTZJ-13B		R5354	1-249-418-11	CARBON	1.2K 5% 1/4W
D5379	8-719-982-96	DIODE MTZJ-T-77-2.2A		R5355	1-249-408-11	CARBON	180 5% 1/4W
D5380	8-719-982-96	DIODE MTZJ-T-77-2.2A		R5356	1-249-417-11	CARBON	1K 5% 1/4W
D5381	8-719-031-34	DIODE RGP02-20EG23		R5357	1-202-565-00	SOLID	470 20% 1/2W
			< IC >	R5358	1-215-926-00	METAL OXIDE	33K 5% 3W F
IC5300	8-759-360-83	IC TDA6111Q/N4		R5359	1-247-863-91	CARBON	22K 5% 1/4W
IC5325	8-759-360-83	IC TDA6111Q/N4		R5360	1-249-424-11	CARBON	3.9K 5% 1/4W
IC5350	8-759-360-83	IC TDA6111Q/N4		R5361	1-249-425-11	CARBON	4.7K 5% 1/4W
			< SOCKET >	R5375	1-249-435-11	CARBON	33K 5% 1/4W
J5375	Δ 1-540-071-22	SOCKET, CRT		R5376	1-249-429-11	CARBON	10K 5% 1/4W
			< COIL >	R5377	1-249-430-11	CARBON	12K 5% 1/4W
L5300	1-408-599-31	INDUCTOR	4.7UH	R5378	1-249-429-11	CARBON	10K 5% 1/4W
L5325	1-408-599-31	INDUCTOR	4.7UH	R5379	1-249-438-11	CARBON	6K 5% 1/4W
L5350	1-408-599-31	INDUCTOR	4.7UH	R5380	1-247-863-91	CARBON	22K 5% 1/4W
L5375	1-410-671-31	INDUCTOR	47UH	R5381	1-249-420-11	CARBON	1.8K 5% 1/4W
L5376	1-412-525-31	INDUCTOR	10UH	R5382	1-202-549-00	SOLID	100 20% 1/2W
L5377	1-414-183-41	INDUCTOR	10UH	R5383	1-216-392-1	METAL OXIDE	6.8 5% 3W F
			< TRANSISTOR >	R5384	1-216-392-1	METAL OXIDE	6.8 5% 3W F
Q5300	8-729-255-12	TRANSISTOR 2SC2551-0		R5385	1-202-549-00	SOLID	100 20% 1/2W
Q5325	8-729-255-12	TRANSISTOR 2SC2551-0		R5386	1-202-884-11	SOLID	820K 20% 1/2W
Q5350	8-729-029-56	TRANSISTOR DTA144ESA		R5387	1-202-884-11	SOLID	820K 20% 1/2W
Q5351	8-729-255-12	TRANSISTOR 2SC2551-0		R5388	1-215-911-11	METAL OXIDE	100 5% 3W F
Q5375	8-729-119-78	TRANSISTOR 2SC2785-HFE		R538	1-249-417-11	CARBON	1K 5% 1/4W F
Q5376	8-729-026-41	TRANSISTOR 2SA933AS-QRT					
			< RESISTOR >				
R5300	1-249-417-11	CARBON	1K 5% 1/4W				
R5301	1-249-415-11	CARBON	680 5% 1/4W				
R5302	1-249-408-11	CARBON	80 5% 1/4W				
R5303	1-249-417-11	CA BON	1K 5% 1/4W				
R5304	1-202-565-00	SOL D	470 20% 1/2W				
R5305	1-215-926-00	METAL OXIDE	33K 5% 3W F				
R5306	1-249-424-11	CARBON	3.9K 5% 1/4W				
R5307	1-247-863-91	CARBON	22K 5% 1/4W				
R5325	1-249-417-11	CARBON	1K 5% 1/4W				
R5326	1-249-415-11	CARBON	680 5% 1/4W				
R5327	1-249-408-11	CARBON	180 5% 1/4W				
R5328	1-249-417-11	CARBON	1K 5% 1/4W				
R5329	1-202-565-00	SOLID	470 20% 1/2W				
R5330	1-215-926-00	METAL OXIDE	33K 5% 3W F				
R5331	1-249-424-11	CARBON	3.9K 5% 1/4W				
R5332	1-247-863-91	CARBON	22K 5% 1/4W				
R5350	1-249-417-11	CARBON	1K 5% 1/4W				
R5351	1-249-415-11	CARBON	680 5% 1/4W				
R5352	1-249-416-11	CARBON	820 5% 1/4W				
R5353	1-249-421-11	CARBON	2.2K 5% 1/4W				
			< CAPACITOR >				
			C4316	1-104-664-11	ELECT	47MF	20% 25V
			C4317	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4318	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4319	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4320	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4321	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4322	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4324	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4325	1-163-093-00	CERAMIC CHIP	10PF	5% 50V
			C4329	1-126-963-11	ELECT	4.7MF	20% 50V
			C4330	1-136-165-00	FILM	0.1MF	5% 50V
			C4331	1-126-959-11	ELECT	0.47MF	20% 50V
			C4332	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4333	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V
			C4334	1-126-967-11	ELECT	47MF	20% 50V
			C4336	1-126-967-11	ELECT	47MF	20% 50V

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C4338	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D4313	8-719-401-63	DIODE MA3062M-TX	
C4340	1-126-967-11	ELECT 47MF	20% 50V			< FERRITE BEAD >	
C4342	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V				
C4343	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	FB4387	1-216-295-91	SHORT 0	
C4344	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	FB4388	1-216-295-91	SHORT 0	
C4345	1-126-967-11	ELECT 47MF	20% 50V	FB4389	1-216-295-91	SHORT 0	
C4346	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V			< IC >	
C4347	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V				
C4348	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	IC4301	8-752-086-23	IC CXA2100Q-TL	
C4349	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V				
C4350	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V			< COIL >	
C4351	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	I4301	1-414-183-41	INDUCTOR 10UH	
C4352	1-126-967-11	ELECT 47MF	20% 50V	I4302	1-414-183-41	INDUCTOR 10UH	
C4353	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	I4303	1-414-183-41	INDUCTOR 0UH	
C4354	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	I4304	1-414-183-41	INDUCTOR 10UH	
C4355	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	I4305	1-414-183-41	INDUCTOR 10UH	
C4356	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V				
C4357	1-164-004-11	CERAMIC CHIP 0.1MF	10% 50V	I4306	1-414-183-41	INDUCTOR 10UH	
		(KV-32FS60A/32FS60B/32FS60D/32FS60E)		I4308	1-08-609-41	INDUCTOR 33UH	
C4358	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	I4309	1-08-609-41	INDUCTOR 33UH	
C4359	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V			< TRANSISTOR >	
C4360	1-126-963-11	ELECT 4.7MF	20% 50V	Q43	8-729-216-22	TRANSISTOR 2SA1162-G	
C4362	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	Q4307	8-729-216-22	TRANSISTOR 2SA1162-G	
C4363	1-126-967-11	ELECT 47MF	20% 50V	Q4308	8-729-216-22	TRANSISTOR 2SA1162-G	
C4364	1-126-967-11	ELECT 47MF	20% 50V	Q439	8-729-216-22	TRANSISTOR 2SA1162-G	
C4366	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50	Q4310	8-729-216-22	TRANSISTOR 2SA1162-G	
C4367	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V				
		(KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		Q4315	1-801-806-11	TRANSISTOR DTC144EKA-T146	
1-104-760-11	CERAMIC CHIP 0.047MF	10% 5 V	(KV-32FS60A/32FS60B/32FS60D/32FS60E)	Q4316	8-729-620-06	TRANSISTOR 2SC3052-EF	
				Q4317	8-729-900-53	TRANSISTOR DTC114EK	
				Q4318	8-729-902-21	TRANSISTOR 2SA1037K-T-146-R (KV-32FS60A/32FS60B/32FS60D/32FS60E)	
C4369	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V			< RESISTOR >	
C4370	1-126-967-11	ELECT 47MF	0% 50V	R4301	1-216-025-91	RES,CHIP 100 5% 1/10W	
C4371	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	R4302	1-216-025-91	RES,CHIP 100 5% 1/10W	
C4377	1-126-960-11	ELECT 1MF	20% 50V	R4303	1-216-025-91	RES,CHIP 100 5% 1/10W	
C4379	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	R4304	1-216-025-91	RES,CHIP 100 5% 1/10W	
		(KV-32FS60A/32FS60B/32FS60D/32FS60E)		R4305	1-216-025-91	RES,CHIP 100 5% 1/10W	
C4380	1-163-005-11	CERAMIC CHIP 470PF	10% 50V				
		(KV-32FS60A/32FS60B/32FS60D/32FS60E)		R4306	1-216-025-91	RES,CHIP 100 5% 1/10W	
C4381	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	R4313	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
C4518	1-162-638-11	CERAMIC CHIP 1MF	16V	R4314	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
				R4331	1-216-073-00	RES,CHIP 10K 5% 1/10W	
		< CONNECTOR >		R4332	1-216-073-00	RES,CHIP 10K 5% 1/10W	
CN4101	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P					
CN4500	1-564-511-11	PLUG, CONNECTOR 8P		R4333	1-216-073-00	RES,CHIP 10K 5% 1/10W	
CN4502*	1-568-878-51	PIN, CONNECTOR 3P		R4334	1-216-025-91	RES,CHIP 100 5% 1/10W	
				R4335	1-216-025-91	RES,CHIP 100 5% 1/10W	
		< DIODE >		R4336	1-216-025-91	RES,CHIP 100 5% 1/10W	
D4304	8-719-923-60	DIODE MTZJ-T-77-9.1A		R4337	1-216-025-91	RES,CHIP 100 5% 1/10W	
D4305	8-719-923-60	DIODE MTZJ-T-77-9.1A					
D4311	8-719-914-43	DIODE DAN202K		R4339	1-216-049-91	RES,CHIP 1K 5% 1/10W	
D4312	8-719-914-43	DIODE DAN202K		R4340	1-216-111-00	RES,CHIP 390K 5% 1/10W	
				R4341	1-216-295-91	SHORT 0	

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R4343	1-216-025-91	RES,CHIP	100 5% 1/10W	R4403	1-216-073-91	RES,CHIP	10K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
R4344	1-216-025-91	RES,CHIP	100 5% 1/10W	R4404	1-216-073-91	RES,CHIP	10K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
R4345	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R4405	1-216-087-91	RES,CHIP	39K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
R4346	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	R4406	1-216-105-91	RES,CHIP	220K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
R4347	1-216-025-91	RES,CHIP	100 5% 1/10W	R4407	1-216-091-91	RES,CHIP	56K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
R4348	1-216-025-91	RES,CHIP	100 5% 1/10W	R4504	1-216-295-91	SHORT	0
R4350	1-216-025-91	RES,CHIP	100 5% 1/10W	R4505	1-216-295-91	SHORT	0
R4354	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R4506	1-216-295-91	SHORT	
R4358	1-216-071-00	RES,CHIP	8.2K 5% 1/10W	R4507	1-216-129-00	RES,CHIP	2.2M 5% 1/10W
R4359	1-216-041-00	RES,CHIP	470 5% 1/10W	R4518	1-216-025-91	RES,CHIP	100 5% 1/10W
R4360	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R4519	1-216-025-91	RES,CHIP	100 5% 1/10W
R4361	1-216-133-00	RES,CHIP	3.3M 5% 1/10W	R4520	1-216-295-91	SHORT	0
R4363	1-216-025-91	RES,CHIP	100 5% 1/10W	R4521	1-216-295-91	SHORT	0
R4365	1-216-025-91	RES,CHIP	100 5% 1/10W	R4522	1-216-295-91	SHORT	0
R4366	1-216-025-91	RES,CHIP	100 5% 1/10W	R4523	1-216-295-91	SHORT	0
R4367	1-216-025-91	RES,CHIP	100 5% 1/10W				< CRYSTAL >
R4370	1-216-077-00	RES,CHIP	15K 5% 1/10W	X430	1-767-127-11	VIBRATOR, CERAMIC	
R4371	1-216-069-00	RES,CHIP	6.8K 5% 1/10W				*****
R4372	1-216-049-91	RES,CHIP	1K 5% 1/10W				*A-1640-320-A D1 BOARD, COMPLETE (KV-29FS60) *****
R4373	1-216-073-00	RES,CHIP	10K 5% 1/10W				*A-1640-325-A D1 BOARD, COMPLETE (KV-32FS60) *****
R4374	1-216-049-91	RES,CHIP	1K 5% 1/10W				4-382-854-11 SCREW (M3X10), P, SW (+)
R4375	1-216-049-91	RES,CHIP	1K 5% 1/10W				
R4376	1-216-049-91	RES,CHIP	1K 5% 1/10W				
R4377	1-216-049-91	RES,CHIP	1K 5% 1/10W				
R4378	1-216-101-00	RES,CHIP	150K 5% 1/10W				
R4380	1-216-073-00	RES,CHIP	10K 5% 1/10W				
R4381	1-216-125-00	RES,CHIP	1.5M 5% 1/10 (KV-29FS60A/29FS60B/29FS60D/2 F 60E/ 29FS60K/29FS60R/ 9FS60U)				
	1-216-127-11	RES,CHIP	1.8M 1/10W (KV-32FS60A/32FS60B/32 S60D/32FS60E)				
R4382	1-216-073-00	RES,CHIP	10K 5% 1/10W				
R4383	1-216-089-91	RES,CHIP	47K 5% 1/10W (KV-29FS6 A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)				
	1-216-079-00	RES,CHIP	18K 5% 1/10W KV-32FS60A/32FS60B/32FS60D/32FS60E)				
R4384	1-216-025-91	RES,CHIP	100 5% 1/10W	C6100	1-136-165-00	FILM	0.1MF 5% 50V
R4387	1-216-025-91	RES,CHIP	100 5% 1/10W	C6101	1-136-165-00	FILM	0.1MF 5% 50V
R4388	1-216-025-91	RES,CHIP	100 5% 1/10W	C6102	1-136-165-00	FILM	0.1MF 5% 50V
R4389	1-216-025-91	RES,CHIP	100 5% 1/10W	C6103	1-163-205-00	CERAMIC CHIP	0.001MF 5% 50V
R4395	1-216-295-91	SHORT	0	C6104	1-163-205-00	CERAMIC CHIP	0.001MF 5% 50V
R4396	1-216-295-91	SHORT	0	C6105	1-126-967-11	ELECT	47MF 20% 50V
R4398	1-216-025-91	RES,CHIP	100 5% 1/10W	C6106	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
R4401	1-216-107-00	RES,CHIP	270K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	C6108	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V
	1-216-099-00	RES,CHIP	120K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	C6109	1-126-967-11	ELECT	47MF 20% 50V
			C6110	1-126-967-11	ELECT	47MF 20% 50V	
R4402	1-216-133-91	RES,CHIP	56K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	C6111	1-126-967-11	ELECT	47MF 20% 50V (KV-32FS60A/32FS60B/32FS60D/32FS60E)
			C6112	1-163-037-11	CERAMIC CHIP	0.022MF 10% 50V	
			C6113	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V	
			C6114	1-126-964-11	ELECT	10MF 20% 50V	
			C6115	1-163-005-11	CERAMIC CHIP	470PF 10% 50V	
			C6116	1-163-275-11	CERAMIC CHIP	0.001MF 5% 50V	
			C6117	1-163-275-11	CERAMIC CHIP	0.001MF 5% 50V	
			C6119	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V	

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK				
C6121	1-126-964-11	ELECT	10MF	20%	50V	C6367	1-104-329-11	CERAMIC CHIP 0.1MF	10%	50V	
C6122	1-126-967-11	ELECT	47MF	20%	50V	C6368	1-163-021-91	CERAMIC CHIP 0.01MF	10%	50V	
C6125	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C6370	1-137-493-11	FILM	0.0047MF	5%	630V
C6126	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	C6371	1-137-493-11	FILM	0.0047MF	5%	630V
C6127	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V						(KV-32FS60A/32FS60B/32FS60D/32FS60E)
C6128	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C6373	1-136-153-00	FILM	0.01MF	5%	50V
C6129	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	C6374	1-137-499-11	FILM	0.015MF	5%	630V
			(KV-29FS60A/29FS60B/29FS60D/29FS60E/			C6375	1-102-110-00	CERAMIC	220PF	10%	50V
			29FS60K/29FS60R/29FS60U)			C6376	1-104-664-11	ELECT	47MF	20%	16V
	1-164-336-11	CERAMIC CHIP	0.33MF	10%	50V	C6377	1-128-551-11	ELECT	22MF	20%	25V
			(KV-32FS60A/32FS60B/32FS60D/32FS60E)			C6378	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C6130	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C6380	1-136-165-00	FILM	0.1MF	5%	50V
			(KV-29FS60A/29FS60B/29FS60D/29FS60E/			C6381	1-126-960-11	ELECT	1MF	20%	50V
			29FS60K/29FS60R/29FS60U)			C6385	1-104-664-11	ELECT	47MF	20%	25V
C6131	1-126-964-11	ELECT	10MF	20%	50V	C6386	1-104-664-11	ELECT	47MF	20%	25V
C6132	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C6388	1-126-964-11	ELECT	10MF	20%	50V
C6199	1-163-229-11	CERAMIC CHIP	12PF	5%	50V	C6389	1-126-94-11	ELECT	10MF	20%	50V
C6207	1-126-967-11	ELECT	47MF	20%	50V	C6392	1-104-64-11	ELECT	47MF	20%	25V
C6208	1-126-967-11	ELECT	47MF	20%	50V	C6401	1-26-964-11	ELECT	10MF	20%	50V
C6209	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C6402	1-07-714-11	ELECT	10MF	20%	50V
C6210	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C6407	1-136-161-00	FILM	0.047MF	5%	50V
C6250	1-104-664-11	ELECT	47MF	20%	16V	C6408	1-136-161-00	FILM	0.047MF	5%	50V
C6253	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	C64	1-126-964-11	ELECT	10MF	20%	50V
C6254	1-136-177-00	FILM	1MF	5%	50V						< CONNECTOR >
C6255	1-136-177-00	FILM	1MF	5%	50V	CN6502*	1-568-881-51	PIN, CONNECTOR	6P		
C6256	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	CN6601	1-695-302-11	CONNECTOR, BOARD TO BOARD	50P		
C6257	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	CN6622*	1-568-878-51	PIN, CONNECTOR	3P		
C6258	1-163-127-00	CERAMIC CHIP	270PF	5%	50V	CN6633*	1-568-878-51	PIN, CONNECTOR	3P		
C6259	1-110-501-11	CERAMIC CHIP	0.33MF	10%	16V						< DIODE >
C6260	1-104-664-11	ELECT	47MF	20	1 V	D6100	8-719-914-43	DIODE DAN202K-T-146			
C6261	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50						(KV-32FS60A/32FS60B/32FS60D/32FS60E)
C6262	1-136-165-00	FILM	0.1MF	5%	50V	D6101	8-719-921-40	DIODE MTZJ-T-77-4-7B			
C6263	1-163-109-00	CERAMIC CHIP	47PF	%	50V						(KV-32FS60A/32FS60B/32FS60D/32FS60E)
C6264	1-126-964-11	ELECT	10MF	20%	50V	D6102	8-719-914-43	DIODE DAN202K			
C6306	1-126-964-11	ELECT	10MF	20%	50V	D6104	8-719-914-43	DIODE DAN202K			
C6307	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V	D6105	8-719-914-43	DIODE DAN202K			
C6350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D6106	8-719-914-43	DIODE DAN202K			
C6351	1-126-967-11	ELECT	47MF	20%	50V	D6108	8-719-921-40	DIODE MTZJ-4.7C			
C6353	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V	D6127	8-719-914-43	DIODE DAN202K			
C6354	1-136-159-00	FILM	0.033MF	5%	50V	D6128	8-719-914-43	DIODE DAN202K			
C6355	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	D6129	8-719-914-43	DIODE DAN202K			
C6356	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V	D6198	1-535-303-00	LEAD, JUMPER	(5.0MM)		
C6357	1-136-165-00	FILM	0.1MF	5%	50V	D6253	8-719-911-19	DIODE 1SS119-25			
C6358	1-104-329-11	CERAMIC CHIP	0.1MF	10%	50V	D6254	1-535-303-00	LEAD, JUMPER	(5.0MM)		
C6359	1-104-329-11	CERAMIC CHIP	0.1MF	10%	50V						
C6360	1-107-714-11	ELECT	10MF	20%	50V	D6350	8-719-914-43	DIODE DAN202K			
C6361	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	D6351	8-719-914-43	DIODE DAN202K			
C6362	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	D6352	8-719-914-43	DIODE DAN202K			
C6363	1-104-665-11	ELECT	100MF	20%	25V	D6353	8-719-987-87	DIODE ERA85-009			
C6364	1-137-493-11	FILM	0.0047MF	5%	630V	D6354	8-719-914-43	DIODE DAN202K			
C6365	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V						

The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D6355	8-719-914-43	DIODE DAN202K (KV-32FS60A/32FS60B/32FS60D/32FS60E)		Q6123	8-729-216-22	TRANSISTOR 2SA1162-G	
	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W		Q6125	8-729-620-06	TRANSISTOR 2SC3052-EF	
D6358	8-719-914-43	DIODE DAN202K		Q6126	8-729-216-22	TRANSISTOR 2SA1162-G	
D6359	8-719-302-43	DIODE EL1Z		Q6127	8-729-216-22	TRANSISTOR 2SA1162-G	
D6401	8-719-914-43	DIODE DAN202K		Q6128	8-729-620-06	TRANSISTOR 2SC3052-EF	
D6402	8-719-982-03	DIODE MTZJ-3.6A		Q6129	8-729-216-22	TRANSISTOR 2SA1162-G	
D6403	8-719-921-63	DIODE MTZJ-7.5B		Q6130	8-729-216-22	TRANSISTOR 2SA1162-G	
D6404	8-719-914-43	DIODE DAN202K		Q6131	8-729-620-06	TRANSISTOR 2SC3052-EF	
D6405	8-719-921-63	DIODE MTZJ-7.5B		Q6201	8-729-620-06	TRANSISTOR 2SC3052-EF	
	< IC >			Q6202	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC6100	8-759-450-95	IC LM393N		Q6250	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC6101	8-759-450-95	IC LM393N		Q6251	8-729-620-06	TRANSISTOR 2 C 3052-EF	
IC6102	8-759-701-50	IC NJM3404AD		Q6252	8-729-216-22	TRANSISTOR 2SA 162-G	
IC6103	8-759-450-95	IC LM393N		Q6253	8-729-017-06	TRA ISTO 2SC4793	
IC6250	8-759-478-66	IC CXA8070P		Q6254	8-729-017-05	TRANSISTOR 2SA1837	
IC6251	8-759-903-16	IC LM318P		Q6350	8-29-20-06	TRANSISTOR 2SC3052-EF	
IC6302	8-752-072-94	IC CXA1875AM-T4		Q6351	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC6350	8-759-008-70	IC LM358N		Q6352	8-729-140-7	TRANSISTOR 2SB734-34	
IC6351	8-759-450-95	IC LM393N		Q6353	8-729-140-97	TRANSISTOR 2SB734-34	
IC6352	8-759-450-95	IC LM393N		Q6354	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC6353	8-759-231-53	IC TA7805S		Q6356	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC6354	8-759-325-48	IC CA0005AD		Q6358	8-729-038-83	TRANSISTOR 2SK2251-01-F19	
IC6355	8-759-008-70	IC LM358N		Q6401	1-801-806-11	TRANSISTOR DTC144EKA-T146	
IC6356	8-759-822-38	IC LA6510		Q6402	1-801-806-11	TRANSISTOR DTC144EKA-T146	
	< FILTER >			Q6403	8-729-620-06	TRANSISTOR 2SC3052-EF	
LF6350	1-406-989-21	INDUCTOR	OUH	Q6404	8-729-216-22	TRANSISTOR 2SA1162-G	
LF6351	1-406-989-21	INDUCTOR	OUH	Q6405	8-729-216-22	TRANSISTOR 2SA1162-G	
	< IC LINK >			Q6455	8-729-620-06	TRANSISTOR 2SC3052-EF	
PS6376 Δ	1-532-637-00	LINK, IC 1A (IC N25)		Q6465	8-729-620-06	TRANSISTOR 2SC3052-EF	
	< TRANSISTOR >				< RESISTOR >		
Q6100	8-729-620-06	TRAN ISTOR 2SC3052-EF		R6100	1-216-033-00	RES,CHIP	220 5% 1/10W
Q6101	8-729-620-06	TRANSISTOR 2SC3052-EF		R6101	1-216-033-00	RES,CHIP	220 5% 1/10W
Q6102	8-729-620-06	TRANSISTOR 2SC3052-EF		R6102	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q6103	8-729-620-06	TRANSISTOR 2SC3052-EF		R6103	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q6104	8-729-620-06	TRANSISTOR 2SC3052-EF		R6104	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q6105	8-729-620-06	TRANSISTOR 2SC3052-EF		R6105	1-216-049-91	RES,CHIP	1K 5% 1/10W
Q6106	8-729-620-06	TRANSISTOR 2SC3052-EF		R6106	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
Q6107	8-729-620-06	TRANSISTOR 2SC3052-EF		R6107	1-216-659-11	METAL CHIP (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	2.2K 0.50% 1/10W
Q6108	8-729-216-22	TRANSISTOR 2SA1162-G		R6108	1-216-659-11	METAL CHIP (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	2.2K 0.50% 1/10W
Q6110	8-729-216-22	TRANSISTOR 2SA1162-G			1-216-657-11	METAL CHIP (KV-32FS60A/32FS60B/32FS60D/32FS60E)	1.8K 0.50% 1/10W
Q6112	8-729-620-06	TRANSISTOR 2SC3052-EF			1-216-657-11	METAL CHIP (KV-32FS60A/32FS60B/32FS60D/32FS60E)	1.8K 0.50% 1/10W
Q6113	8-729-620-06	TRANSISTOR 2SC3052-EF			1-216-683-11	METAL CHIP (KV-32FS60A/32FS60B/32FS60D/32FS60E)	22K 0.50% 1/10W
Q6118	8-729-620-06	TRANSISTOR 2SC3052-EF					
Q6119	8-729-216-22	TRANSISTOR 2SA1162-G					
Q6120	8-729-216-22	TRANSISTOR 2SA1162-G					
Q6122	8-729-216-22	TRANSISTOR 2SA1162-G					

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R6110	1-216-679-11	METAL CHIP 15K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		R6142	1-216-672-11	METAL CHIP 7.5K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	
	1-216-683-11	METAL CHIP 22K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		1-216-659-11	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	
R6111	1-216-057-00	RES,CHIP 2.2K 5% 1/10W		R6143	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6112	1-216-057-00	RES,CHIP 2.2K 5% 1/10W		R6145	1-216-045-00	RES,CHIP 680 5% 1/10W	
R6113	1-216-073-00	RES,CHIP 10K 5% 1/10W		R6146	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	
R6114	1-216-073-00	RES,CHIP 10K 5% 1/10W		1-216-065-91	1-216-065-91	RES,CHIP 4.7K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	
R6115	1-216-089-91	RES,CHIP 47K 5% 1/10W		R6147	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6116	1-216-089-91	RES,CHIP 47K 5% 1/10W		R6148	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6117	1-216-073-00	RES,CHIP 10K 5% 1/10W		R6149	1-216-025-91	RES,CHIP 10 5% 1/10W	
R6118	1-216-073-00	RES,CHIP 10K 5% 1/10W		R6154	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R6119	1-216-073-00	RES,CHIP 10K 5% 1/10W		R6155	1-216-699-11	METAL CHIP 100K 0.50% 1/10W	
R6120	1-216-057-00	RES,CHIP 2.2K 5% 1/10W		R6158	1-216-6 3-11	METAL CHIP 6.8K 0.50% 1/10W	
R6121	1-216-057-00	RES,CHIP 2.2K 5% 1/10W		R6159	1- 16-295 91	SHORT 0	
R6122	1-216-057-00	RES,CHIP 2.2K 5% 1/10W		R6160	1- 16-295-91	SHORT 0	
R6123	1-216-089-91	RES,CHIP 47K 5% 1/10W					(KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)
R6124	1-216-089-91	RES,CHIP 47K 5% 1/10W		R6161	1-216-673-11	METAL CHIP 8.2K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	
R6125	1-216-057-00	RES,CHIP 2.2K 5% 1/10W		1-216-669-11	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	
R6126	1-216-037-00	RES,CHIP 330 5% 1/10W		R6162	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R6127	1-216-663-11	RES,CHIP 3.3K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		R6165	1-216-699-11	METAL CHIP 100K 0.50% 1/10W	
	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6168	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R6128	1-216-691-11	METAL CHIP 47K 0.50% 1/10W		R6169	1-216-699-11	METAL CHIP 100K 0.50% 1/10W	
R6129	1-216-691-11	METAL CHIP 47K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6170	1-216-037-00	RES,CHIP 330 5% 1/10W	
R6130	1-218-768-11	METAL CHIP 470K 0.50% 1/0W		R6171	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6131	1-216-037-00	RES,CHIP 330 5% 1/10W		R6174	1-216-075-00	RES,CHIP 12K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	
R6132	1-216-037-00	RES,CHIP 330 5% 1/10W		1-216-081-00	1-216-081-00	RES,CHIP 22K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	
R6133	1-216-037-00	RES,CHIP 330 5% 1/10W		R6175	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R6134	1-216-057-00	RES,CHIP .2K 5% 1/10W (KV-3 FS60A/32FS60B/32FS60D/32FS60E)		R6176	1-216-683-11	METAL CHIP 22K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	
R6135	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		1-216-295-91	1-216-295-91	SHORT 0 (KV-32FS60A/32FS60B/32FS60D/32FS60E)	
	1-216-057-00	RES,CHIP 2.2K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6177	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R6136	1-216-691-11	METAL CHIP 47K 0.50% 1/10W		R6178	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6137	1-216-691-11	METAL CHIP 47K 0.50% 1/10W		R6179	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	
R6138	1-216-691-11	METAL CHIP 47K 0.50% 1/10W		1-216-061-00	1-216-061-00	METAL CHIP 3.3K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	
R6139	1-216-691-11	METAL CHIP 47K 0.50% 1/10W					
R6140	1-216-057-00	RES,CHIP 2.2K 5% 1/10W					
R6141	1-216-683-11	METAL CHIP 22K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)					
	1-216-671-11	METAL CHIP 6.8K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)					

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R6180	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R6215	1-216-683-11	METAL CHIP	22K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)
R6182	1-216-089-91	RES,CHIP	47K 5% 1/10W		1-216-089-91	RES,CHIP	47K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
R6183	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R6216	1-216-089-91	RES,CHIP	47K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)
R6186	1-216-663-11	METAL CHIP	3.3K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		1-216-065-00	RES,CHIP	4.7K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
	1-216-049-91	METAL CHIP	1K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	R6217	1-216-073-00	RES,CHIP	10K 5% 1/10W
R6187	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	R6254	1-216-049-91	RES,CHIP	1K 5% 1/10W
R6189	1-216-295-91	SHORT	0	R6255	1-216-061-00	RES,CHIP	3K 5% 1/10W
			(KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	R6256	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
	1-216-049-91	RES,CHIP	1K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	R6257	1-216-061-00	RES,CHIP	3.3K 5% 1/10W
R6190	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R6258	1-216-57-00	RES,CHIP	2.2K 5% 1/10W
R6191	1-215-925-11	METAL OXIDE	22K 5% 3W F	R6259	1-216-097 91	RES,CHIP	100K 5% 1/10W
R6192	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	R6260	1-216-049- 1	RES,CHIP	1K 5% 1/10W
	1-216-683-11	METAL CHIP	22K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	R6261	1-216-097 91	RES,CHIP	100K 5% 1/10W
R6194	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	R6262	1-260-321-71	CARBON	270 5% 1/2W
R6195	1-216-683-11	METAL CHIP	22K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	R6263	1-216-025-91	RES,CHIP	100 5% 1/10W
	1-216-695-11	METAL CHIP	68K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	R6264	1-216-025-91	RES,CHIP	100 5% 1/10W
				R6265	1-216-097-91	RES,CHIP	100K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)
					1-216-103-00	RES,CHIP	180K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
R6196	1-249-377-11	CARBON	0.47 5% 1/4W F	R6267	1-216-049-91	RES,CHIP	1K 5% 1/10W
R6198	1-216-081-00	RES,CHIP	22K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS R/29FS60U)	R6268	1-216-085-00	RES,CHIP	33K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
	1-216-089-00	RES,CHIP	47K 5% 1 10W (KV-32FS60A/32FS60 /32FS60D/32FS60E)	R6269	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
R6199	1-216-081-00	RES,CHIP	22K 5% 1/10W (KV-29FS6 A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	R6270	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
	1-216-089-00	RES,CHIP	47K 5% 1/10W KV-32FS60A/32FS60B/32FS60D/32FS60E)	R6271	1-216-683-11	METAL CHIP	22K 0.50% 1/10W
				R6272	1-216-081-00	RES,CHIP	22K 5% 1/10W
				R6273	1-216-081-00	RES,CHIP	22K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)
R6200	1-218-762-11	METAL CHIP	270K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	R6276	1-216-689-11	METAL CHIP	39K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)
R6205	1-216-025-91	RES,CHIP	100 5% 1/10W		1-216-686-11	METAL CHIP	30K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)
R6206	1-216-105-91	RES,CHIP	220K 5% 1/10W	R6277	1-216-686-11	METAL CHIP	30K 0.50% 1/10W
R6207	1-216-101-00	RES,CHIP	150K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	R6278	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
	1-216-109-00	RES,CHIP	330K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	R6279	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
R6208	1-216-089-91	RES,CHIP	47K 5% 1/10W	R6280	1-249-377-11	CARBON	0.47 5% 1/4W F
R6210	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R6281	1-249-377-11	CARBON	0.47 5% 1/4W F
R6211	1-216-073-00	RES,CHIP	10K 5% 1/10W	R6282	1-215-886-11	METAL OXIDE	100 5% 2W F
R6212	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R6283	1-216-393-00	METAL OXIDE	2.2 5% 3W F

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK	
R6284	1-216-113-00	RES,CHIP	470K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		R6372	1-216-033-00	RES,CHIP	220 5% 1/10W
	1-216-109-00	RES,CHIP	330K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6373	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R6285	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R6374	1-216-689-11	METAL CHIP	39K 0.50% 1/10W	
R6286	1-216-073-00	RES,CHIP	10K 5% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		R6375	1-216-041-00	RES,CHIP	470 5% 1/10W
	1-216-069-00	RES,CHIP	6.8K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6377	1-216-689-11	METAL CHIP	39K 0.50% 1/10W
R6287	1-216-073-00	RES,CHIP	10K 5% 1/10W	R6378	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	
R6313	1-216-295-91	SHORT	0	R6379	1-216-295-91	SHORT	0	
R6322	1-216-049-91	RES,CHIP	1K 5% 1/10W	R6380	1-218-754-11	METAL CHIP	120K 0.50% 1/10W	
R6323	1-216-049-91	RES,CHIP	1K 5% 1/10W	R6381	1-216-045-00	RES,CHIP	680 5% 1/10W	
R6324	1-216-025-91	RES,CHIP	100 5% 1/10W	R6382	1-218-754-11	METAL CHIP	120K 0.50% 1/10W	
R6325	1-216-025-91	RES,CHIP	100 5% 1/10W	R6383	1-216-687-11	METAL CHIP	33K 0.50% 1/10W	
R6350	1-216-089-91	RES,CHIP	47K 5% 1/10W	R6384	1-216-043-91	RES,CHIP	5 0 % 1/10W	
R6351	1-218-762-11	METAL CHIP	270K 0.50% 1/10W	R6385	1-216-295-91	SHORT		
R6353	1-216-668-11	METAL CHIP	5.1K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		R6386	1-216-699-11	METAL CHIP	100K 0.50% 1/10W
	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6387	1-216-677-11	METAL C IP	1 K 0.50% 1/10W
R6355	1-218-774-11	METAL CHIP	820K 0.50% 1/10W	R6391	1-249-417 11	ARBON	1K 5% 1/4W	
R6356	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R6394	1-216-0 9-00	RES,CHIP	6.8K 5% 1/10W	
R6357	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R6395	1-216-0 1-00	RES, CHIP	22K 5% 1/10W	
R6358	1-216-047-91	RES,CHIP	820 5% 1/10W	R6397	1- 16-675 11	METAL CHIP	10K 0.50% 1/10W	
R6359	1-216-097-91	RES,CHIP	100K 5% 1/10W	R6398	1- 16-065-91	RES,CHIP	4.7K 5% 1/10W	
R6360	1-216-073-00	RES,CHIP	10K 5% 1/0 W	R6399	1-218-758-11	METAL CHIP	180K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	
R6361	1-216-097-91	RES,CHIP	100K 5% 1/1 W		1-218-756-11	METAL CHIP	150K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	
R6362	1-216-687-11	METAL CHIP	33K 0.50% 1/10W	R6400	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	
R6363	1-216-675-11	METAL CHIP	10K 0 50% 1/10W	R6401	1-216-295-91	SHORT	0	
R6364	1-216-057-00	RES,CHIP	2 2K 5% 1/10W	R6402	1-216-295-91	SHORT	0	
R6365	1-216-033-00	RES,CHIP	220 5% 1/10W	R6403	1-216-661-11	METAL CHIP	2.7K 0.50% 1/10W	
R6366	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R6404	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	
R6367	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R6405	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	
R6368	1-218-758-11	METAL CHIP	180K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		R6409	1-216-025-91	RES,CHIP	100 5% 1/10W
	1-218-760-11	METAL CHIP	220K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6410	1-216-073-00	RES,CHIP	10K 5% 1/10W
R6369	1-218-762-11	METAL CHIP	270K 0.50% 1/10W		R6411	1-216-073-00	RES,CHIP	10K 5% 1/10W
R6370	1-216-675-11	METAL CHIP	10K 0.50% 1/10W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		R6412	1-216-073-00	RES,CHIP	10K 5% 1/10W
	1-216-677-11	METAL CHIP	12K 0.50% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6413	1-216-679-11	METAL CHIP	15K 0.50% 1/10W
R6371	1-216-473-11	METAL OXIDE	56 5% 3W (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)		R6414	1-216-679-11	METAL CHIP	15K 0.50% 1/10W
	1-216-474-11	METAL OXIDE	82 5% 3W F (KV-32FS60A/32FS60B/32FS60D/32FS60E)		R6415	1-216-683-11	METAL CHIP	22K 0.50% 1/10W
					R6416	1-216-683-11	METAL CHIP	22K 0.50% 1/10W
					R6418	1-216-093-00	RES,CHIP	33K 5% 1/10W
					R6419	1-216-073-00	RES,CHIP	10K 5% 1/10W
					R6420	1-216-091-00	RES,CHIP	22K 5% 1/10W
					R6421	1-216-637-11	METAL CHIP	270 0.50% 1/10W
					R6422	1-216-639-11	METAL CHIP	330 0.50% 1/10W
					R6423	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W
					R6426	1-216-081-00	RES,CHIP	22K 5% 1/10W
					R6427	1-216-081-00	RES,CHIP	22K 5% 1/10W
					R6428	1-216-107-00	RES,CHIP	150K 5% 1/10W
					R6429	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
					R6430	1-216-065-91	RES,CHIP	4.7K 5% 1/10W

The components identified by shading and marked Δ are critical for safety
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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK		
R6431	1-216-113-00	RES,CHIP	470K 5% 1/10W (KV-32FS60A/32FS60B/32FS60D/32FS60E)	C6626	1-164-625-11	CERAMIC	680PF 10% 500V		
R6432	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	C6627	1-164-625-11	CERAMIC	680PF 10% 500V		
R6433	1-216-073-00	RES,CHIP	10K 5% 1/10W	C6628	1-126-936-11	ELECT	3300MF 20% 16V		
R6437	1-249-422-11	CARBON	2.7K 5% 1/4W	C6629	1-128-548-11	ELECT	4700MF 20% 25V		
R6438	1-249-421-11	CARBON	2.2K 5% 1/4W	C6630	1-110-626-11	ELECT	330MF 20% 160V		
R6439	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	C6631	1-126-955-11	ELECT	4700MF 20% 35V		
R6440	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	C6632	1-126-955-11	ELECT	4700MF 20% 35V		
R6441	1-216-673-11	METAL CHIP	8.2K 0.50% 1/10W	C6633	1-126-935-11	ELECT	470MF 20% 16V		
R6442	1-216-039-00	RES,CHIP	390 5% 1/10W	C6634	1-136-165-00	FILM	0.1MF 5% 50V		
R6445	1-216-295-91	SHORT	0	C6635	1-104-664-11	ELECT	47MF 20% 25V		
R6456	1-216-097-91	RES,CHIP	100K 5% 1/10W	C6636	1-102-129-00	CERAMIC	0.01MF 10% 50V		
R6457	1-216-075-00	RES,CHIP	12K 5% 1/10W	C6637	1-102-129-00	CERAMIC	0.01MF 10% 50V		
R6458	1-216-089-91	RES,CHIP	47K 5% 1/10W	C6638	1-137-368-11	FILM	0.047MF 5% 50V		
R6459	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	C6639	1-102-228-00	CERAMIC	470PF 10% 500V		
R6460	1-249-393-11	CARBON	10 5% 1/4W	C6641	1-126-967-11	ELECT	47MF 20% 50V		
R6461	1-249-411-11	CARBON	330 5% 1/4W	C6642	1-126-964-11	ELECT	10MF 20% 50V		
R6462	1-249-406-11	CARBON	120 5% 1/4W	C6647	1-104-664-11	ELECT	47MF 20% 25V		
R6463	1-216-095-00	RES,CHIP	82K 5% 1/10W	C6649	1-126-965-11	ELECT	22MF 20% 50V		
R6464	1-216-079-00	RES,CHIP	18K 5% 1/10W	C6651	1-162-599-12	CERAMIC	0.0047MF 250V		

*A-1640-342-A D BOARD, COMPLETE (KV-29FS60) *****									
*A-1640-326-A D BOARD, COMPLETE (KV-32FS60) *****									
4-201-023-01 SPACER, INSULATING 4-202-373-01 SPRING, IC 4-382-854-11 SCREW (M3X10), P, SW (+) *4-931-401-01 HEAT SINK, V.OUT									
< CAPACITOR >									
C6600	Δ 1-161-744-00	CERAMIC	0.01F 400V	C6665	1-136-165-00	FILM	0.1MF 5% 50V		
C6603	1-126-933-11	ELECT	00MF 20% 16V	C6666	1-136-165-00	FILM	0.1MF 5% 50V		
C6604	1-126-767-11	ELE T	1000MF 20% 16V	C6667	1-126-933-11	ELECT	100MF 20% 16V		
C6605	Δ 1-119-888-51	CERAMIC	2200PF 20% 250V	C6668	1-126-933-11	ELECT	100MF 20% 16V		
C6606	Δ 1-119-888-51	CERAMIC	2200PF 20% 250V	C6669	1-136-165-00	FILM	0.1MF 5% 50V		
C6607	Δ 1-107-565-11	FILM	0.33MF 20% 300V	C6670	1-136-165-00	FILM	0.1MF 5% 50V		
C6608	Δ 1-162-599-12	CERAMIC	0.0047MF 250V	C6671	1-104-664-11	ELECT	47MF 20% 16V		
C6609	Δ 1-162-599-12	CERAMIC	0.0047MF 250V	C6672	1-104-664-11	ELECT	47MF 20% 16V		
C6610	1-162-599-12	CERAMIC	0.0047MF 250V	C6673	1-104-664-11	ELECT	47MF 20% 16V		
C6611	1-162-599-12	CERAMIC	0.0047MF 250V	C6677	1-136-165-00	FILM	0.1MF 5% 50V		
C6612	1-161-744-00	CERAMIC	0.01MF 400V	C6679	1-130-495-00	FILM	0.1MF 5% 50V		
C6616	1-164-625-11	CERAMIC	680PF 10% 500V	C6680	1-137-370-11	FILM	0.01MF 5% 50V		
C6617	1-164-625-11	CERAMIC	680PF 10% 500V	C6681	1-126-964-11	ELECT	10MF 20% 50V		
C6618	1-136-175-00	FILM	0.68MF 5% 50V	C6682	1-107-680-91	ELECT	22MF 20% 450V		
C6619	1-137-194-91	FILM	0.47MF 5% 50V	(KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)					
C6620	1-136-618-11	FILM	0.047MF 5% 1.25KV	C6700	1-102-129-00	CERAMIC	0.01MF 10% 50V		
C6621	1-136-175-00	FILM	0.68MF 5% 50V	C6703	1-128-527-11	ELECT	330MF 20% 25V		
C6622	1-164-625-11	CERAMIC	680PF 10% 500V	C6704	1-126-968-11	ELECT	100MF 20% 50V		
C6623	1-137-194-91	FILM	0.47MF 5% 50V	C6705	1-128-527-11	ELECT	330MF 20% 25V		
C6624	1-126-968-11	ELECT	100MF 20% 50V	C6706	1-106-228-00	MYLAR	0.22MF 10% 100V		

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK				
C6707	1-129-702-00	FILM	0.001MF	10%	400V	C6843	1-136-177-00	FILM	1MF	5%	50V
C6708	1-106-220-00	MYLAR	0.1MF	10%	100V	C6851	1-162-131-11	CERAMIC	220PF	10%	2KV
C6709	1-102-129-00	CERAMIC	0.01MF	10%	50V	C6852	1-162-129-00	CERAMIC	150PF	10%	2KV
C6710	1-130-785-11	MYLAR	0.47MF	10%	100V	C6853	1-137-536-11	FILM	0.0022MF	5%	630V
C6727	1-102-228-00	CERAMIC	470PF	10%	500V	C6855	1-136-205-11	FILM	0.022MF	10%	400V
C6801	1-104-664-11	ELECT	47MF	20%	25V	C6856	1-102-030-00	CERAMIC	330PF	10%	500V
C6802	1-126-960-11	ELECT	1MF	20%	50V	C6857	1-130-785-11	FILM	0.47MF	10%	100V
C6803	1-126-960-11	ELECT	1MF	20%	50V	C6861	1-137-364-11	FILM	0.001MF	5%	50V
C6804	1-102-114-00	CERAMIC	470PF	10%	50V	C6862	1-137-364-11	FILM	0.001MF	5%	50V
C6805	1-102-114-00	CERAMIC	470PF	10%	50V	< CONNECTOR >					
C6808	1-102-030-00	CERAMIC	330PF	10%	500V	CN6100	1-785-802-11	20PIN CONNECTOR			
C6809	1-102-030-00	CERAMIC	330PF	10%	500V	CN6101	1-785-802-11	20PIN CONNECTOR			
C6810	1-107-368-11	FILM	0.047MF	10%	200V	CN6102	1-785-802-11	20PIN CONNECTOR			
C6811	1-107-368-11	FILM	0.047MF	10%	200V	CN6500	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P			
C6812	1-162-131-11	CERAMIC	220PF	10%	2KV	CN6600	1-695-299-11	CONNECTOR BOARD TO BOARD 50P			
C6813	1-162-558-11	CERAMIC	100PF	10%	2KV (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	CN6611	*1-785-2-0-11	PIN, DIP CONNECTOR (PC BOARD)			
	1-162-134-11	CERAMIC	470PF	10%	2KV (KV-32FS60A/32FS60B/32FS60D/32FS60E)	CN6620	Δ 1-508-7-5-00	PIN, CONNECTOR (5MM PITCH) 3P			
						CN6655	1- 95-915-11	TAB (CONTACT)			
						CN6666	Δ 1- 08-786-00	PIN, CONNECTOR (5MM PITCH) 2P			
						CN6677	1- 95-915-1	TAB (CONTACT)			
C6814	1-117-640-11	FILM	6800PF	3%	1.2KV	N6688	1-695-915-11	TAB (CONTACT)			
C6815	1-117-835-11	FILM	6200PF	3%	2KV	CN660	Δ *1 691-291-11	PIN, CONNECTOR (PC BOARD) 5P			
C6816	1-137-364-11	FILM	0.001MF	5%	50V	< DIODE >					
C6817	1-125-893-11	FILM	680PF	3%	2KV	D6600	8-719-911-19	DIODE 1SS119-25			
C6818	1-125-893-11	FILM	680PF	3%	2KV	D6601	8-719-510-64	DIODE S2LA20F			
C6819	1-125-893-11	FILM	680PF	3%	2K	D6602	8-719-109-89	DIODE RD5.6ESB2			
C6820	1-125-893-11	FILM	680PF	3%	2KV	D6603	8-719-911-19	DIODE 1SS119-25			
C6824	1-107-846-11	FILM	0.1MF	5%	200V	D6604	8-719-510-53	DIODE D4SB60L			
C6825	1-107-846-11	FILM	0.1MF	5%	250V	D6610	8-719-510-64	DIODE S2LA20F			
C6826	1-115-518-11	FILM	0.47MF	5%	250V (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)	D6613	8-719-911-19	DIODE 1SS119-25			
	1-115-519-11	FILM	0.56MF	5%	250V (KV-32FS60/32FS60B/32FS60D/32FS60E)	D6615	8-719-911-19	DIODE 1SS119-25			
C6827	1-115-511-11	FILM	0.12MF	5%	250V (KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS K/29FS60R/29FS60U)	D6616	8-719-510-12	DIODE D10SC4M			
	1-107-846-11	FILM	0.1MF	5%	250V (KV-32FS60A/32FS60B/32FS60D/32FS60E)	D6617	8-719-500-71	DIODE D8LC40			
C6828	1-127-681-11	CAPACITOR	10000PF	2%	100V	D6618	8-719-047-31	DIODE RBA-402L			
C6829	1-127-680-11	CAPACITOR	4700PF	2%	100V	D6619	8-719-510-12	DIODE D10SC4M			
C6830	1-107-655-11	ELECT	47MF	20%	250V	D6620	8-719-510-09	DIODE D10SC6M			
C6831	1-102-228-00	CERAMIC	470PF	10%	500V	D6621	8-719-991-33	DIODE 1SS133T-77			
C6832	1-126-941-11	ELECT	470MF	20%	25V	D6622	8-719-991-33	DIODE 1SS133T-77			
C6833	1-126-941-11	ELECT	470MF	20%	25V	D6623	8-719-911-19	DIODE 1SS119-25			
C6834	1-102-228-00	CERAMIC	470PF	10%	500V	D6624	8-719-991-33	DIODE 1SS133T-77			
C6835	1-102-228-00	CERAMIC	470PF	10%	500V	D6625	8-719-991-33	DIODE 1SS133T-77			
C6836	1-123-024-21	ELECT	33MF		160V	D6627	8-719-982-27	DIODE MTZJ-33C			
C6837	1-106-375-12	MYLAR	0.022MF	10%	250V	D6628	8-719-109-97	DIODE RD6.8ESB2			
C6840	1-137-370-11	FILM	0.01MF	5%	50V	D6629	8-719-991-33	DIODE 1SS133T-77			
C6841	1-104-664-11	ELECT	47MF	20%	16V	D6630	8-719-991-33	DIODE 1SS133T-77			
C6842	1-136-207-11	FILM	0.047MF	10%	400V	D6651	8-719-068-00	DIODE ERC04-06SE			
						D6652	8-719-923-78	DIODE MTZJ-T-77-12			
						D6653	8-719-510-64	DIODE S2LA20F			
						D6654	8-719-059-23	DIODE P6KE200AG23			

The components identified by shading and marked Δ are critical for safety.
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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK			
Q6810	8-729-026-41	TRANSISTOR 2SA933AS-QRT		R6666	1-202-933-61	FUSIBLE	0.1 10% 1/2W F			
Q6851	8-729-043-95	TRANSISTOR 2SC3840(3)		R6667	1-215-441-00	METAL	6.8K 1% 1/4W			
< RESISTOR >										
R6601 Δ	1-202-968-11	CEMENTED	1.2 5% 10W	R6668	1-249-429-11	CARBON	10K 5% 1/4W			
R6603	1-249-430-11	CARBON	12K 5% 1/4W	R6669	1-249-413-11	CARBON	470 5% 1/4W			
R6604	1-249-421-11	CARBON	2.2K 5% 1/4W	R6670	1-249-429-11	CARBON	10K 5% 1/4W			
R6605	1-249-417-11	CARBON	1K 5% 1/4W F	R6676	1-249-417-11	CARBON	1K 5% 1/4W			
R6606 Δ	1-202-968-11	CEMENTED	1.2 5% 10W	R6677	1-249-417-11	CARBON	1K 5% 1/4W			
R6608 Δ	1-220-797-11	CEMENTED	0.47 5% 10W F	R6678	1-249-417-11	CARBON	1K 5% 1/4W			
R6611	1-260-125-11	CARBON	150K 5% 1/2W	R6679	1-215-479-00	METAL	270K 1% 1/4W			
R6612	1-260-125-11	CARBON	150K 5% 1/2W	R6681	1-215-467-00	METAL	82K 1% 1/4W			
R6613	1-216-369-00	METAL OXIDE	1 5% 2W F	R6682	1-215-447-00	METAL	12K 1% 1/4W			
R6614	1-260-125-11	CARBON	150K 5% 1/2W	R6683	1-215-429-00	METAL	2 2K % 1/4W			
R6615	1-260-125-11	CARBON	150K 5% 1/2W	R6684	1-247-807-31	CARBON	00 5% 1/4W			
R6616	1-216-369-00	METAL OXIDE	1 5% 2W F	R6685	1-249-417-11	CARBON	1K 5% 1/4W			
R6619	1-249-425-11	CARBON	4.7K 5% 1/4W	R6686	1-215-449-00	METAL	15K 1% 1/4W			
R6620	1-249-443-11	CARBON	0.47 5% 1/4W F	R6687	1-249-431-11	CARBON	15K 5% 1/4W			
R6624	1-249-425-11	CARBON	4.7K 5% 1/4W	R6688	1-249-4 7-11	CARBON	1K 5% 1/4W			
R6625	1-249-429-11	CARBON	10K 5% 1/4W	R6700	1-215-4 1-00	METAL	6.8K 1% 1/4W			
R6626	1-247-807-31	CARBON	100 5% 1/4W	R6701	1- 15-437 00	METAL	4.7K 1% 1/4W			
R6627	1-249-429-11	CARBON	10K 5% 1/4W	R6702	1- 15-441-00	METAL	6.8K 1% 1/4W			
R6628	1-260-129-11	CARBON	330K 5% 1/2W	R6703	1-215-437-00	METAL	4.7K 1% 1/4W			
R6629	1-260-129-11	CARBON	330K 5% 1/2W	R6704	1-249-383-11	CARBON	1.5 5% 1/4W F			
R6630	1-249-417-11	CARBON	1K 5% 1/4W	R6707	1-247-791-91	CARBON	22 5% 1/4W			
R6631	1-249-425-11	CARBON	4.7K 5% 1/4W	R6707	1-215-888-00	METAL OXIDE	220 5% 2W F			
R6632	1-207-905-00	WIREWOUND	0.27 10% 2W F	R6708	1-214-798-21	METAL	1.8 1% 1/2W			
R6633	1-249-429-11	CARBON	10K 5% 1/4W	R6709	1-214-798-21	METAL	1.8 1% 1/2W			
R6635	1-249-443-11	CARBON	0.47 5% 1/4W	R6710	1-247-843-11	CARBON	3.3K 5% 1/4W			
(KV-29FS60A/29FS60B/29F 0D/2 FS60E/ 29FS60K/29FS60R/29FS6 U)				R6711	1-249-418-11	CARBON	1.2K 5% 1/4W			
1-535-303-00 LEAD, JUMPER (5.0MM) (KV-32FS60A/32 S60B/ 2FS60D/32FS60E)				R6801	1-215-440-00	METAL	6.2K 1% 1/4W			
R6637	1-249-421-11	CARBON	.2K 5% 1/4W	R6802	1-214-915-00	METAL	120K 1% 1/2W			
R6638	1-247-895-91	CARBON	4 0K 5% 1/4W	R6803	1-249-421-11	CARBON	2.2K 5% 1/4W			
R6639	1-249-416-11	CARBON	820 5% 1/4W	R6804	1-247-807-31	CARBON	100 5% 1/4W			
R6640	1-249-417-11	CARBON	1K 5% 1/4W	R6805	1-247-807-31	CARBON	100 5% 1/4W			
R6641	1-260-127-11	CARBON	220K 5% 1/2W	R6806	1-249-411-11	CARBON	680 5% 1/4W			
R6642	1-249-389-11	CARBON	4.7 5% 1/4W F	R6807	1-249-411-11	CARBON	330 5% 1/4W			
R6643	1-249-417-11	CARBON	1K 5% 1/4W F	R6808	1-260-340-11	CARBON	10K 5% 1/2W			
R6644	1-249-429-11	CARBON	10K 5% 1/4W	R6809	1-260-340-11	CARBON	10K 5% 1/2W			
R6645	1-260-131-11	CARBON	470K 5% 1/2W	R6810	1-215-920-11	METAL OXIDE	3.3K 5% 3W			
R6646	1-249-429-11	CARBON	10K 5% 1/4W	(KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)						
R6647	1-249-410-11	CARBON	270 5% 1/4W	R6811	1-216-461-00	METAL OXIDE	5.6K 5% 2W F			
R6648	1-247-863-91	CARBON	22K 5% 1/4W	R6812	1-215-895-11	METAL OXIDE	3.3K 5% 2W F			
R6649	1-215-926-00	METAL OXIDE	33K 5% 3W F	R6813	1-215-920-11	METAL OXIDE	3.3K 5% 3W F			
R6651	1-247-791-91	CARBON	22 5% 1/4W	(KV-29FS60A/29FS60B/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U)						
R6652	1-249-389-11	CARBON	4.7 5% 1/4W F	R6814	1-215-880-00	METAL OXIDE	10 5% 2W F			
R6653	1-249-421-11	CARBON	2.2K 5% 1/4W	R6815	1-215-880-00	METAL OXIDE	10 5% 2W F			
R6655	1-249-429-11	CARBON	10K 5% 1/4W	R6816	1-216-361-00	METAL OXIDE	0.22 5% 2W F			
R6656 Δ	1-218-265-11	METAL	8.2M 5% 1W							
R6657	1-215-425-00	METAL	1.5K 1% 1/4W							

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R6817	1-216-361-00	METAL OXIDE	0.22 5% 2W F	R6896	1-249-443-11	CARBON	0.47 5% 1/4W F
R6818	1-247-807-31	CARBON	100 5% 1/4W	R6897	1-215-485-00	METAL	470K 1% 1/4W
R6819	1-247-807-31	CARBON	100 5% 1/4W	R6898	1-215-493-00	METAL	1M 1% 1/4W
R6831	1-260-124-11	CARBON	120K 5% 1/2W	R6899	1-215-493-00	METAL	1M 1% 1/4W
R6832	1-216-434-11	METAL OXIDE	1.8K 5% 1W F				
							< RELAY >
R6833	1-202-972-61	FUSIBLE	1 5% 1/4W F	RY6601	Δ 1-755-266-11	RELAY, AC POWER	
R6834	1-249-377-11	CARBON	0.47 5% 1/4W F	RY6602	Δ 1-755-167-11	RELAY, AC POWER	
R6835	1-249-377-11	CARBON	0.47 5% 1/4W F				
R6836	1-249-431-11	CARBON	15K 5% 1/4W				
R6837	1-215-919-11	METAL OXIDE	2.2K 5% 3W F				< TRANSFORMER >
		(KV-29FS60A/29FS60B/29FS60D/29FS60E/29FS60K/29FS60R/29FS60U)		T6600	Δ 1-431-616-11	TRANSFORMER, CONVERTER	
		1-215-894-11 METAL OXIDE 2.2K 5% 2W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		T6601	Δ 1-433-516-11	TRANSFORMER, CONVERTER	
R6838	1-214-905-11	METAL	47K 1% 1/2W	T6651	1-431-732-11	TRANSFORMER, C NVERTER (SRT)	
R6839	1-215-919-11	METAL OXIDE	2.2K 5% 3W F	T6801	1-433-489-11	TRA FORMER FERRITE (HDT)	
		(KV-29FS60A/29FS60B/29FS60D/29FS60E/29FS60K/29FS60R/29FS60U)		T6802	1-433-489-11	TRANSFO MER, FERRITE (HDT)	
		1-215-894-11 METAL OXIDE 2.2K 5% 2W (KV-32FS60A/32FS60B/32FS60D/32FS60E)		T6804	Δ 1-453-272-11	TRANSFORMER FLYBACK ASSEMBLY NX-4512/U2B4	
R6840	1-247-843-11	CARBON	3.3K 5% 1/4W	T6805	1-429-741-1	TRANSFORMER, DRIVE	
R6842	1-260-123-11	CARBON	100K 5% 1/2W	T6852	1-426-896-1	TRANSFORMER, FERRITE (DFT)	
R6843	1-249-429-11	CARBON	10K 5% 1/4W				
R6844	1-249-441-11	CARBON	100K 5% 1/4W				
R6845	1-247-863-91	CARBON	22K 5% 1/4W				
							< THERMISTOR >
R6851	1-260-123-11	CARBON	100K 5% 1/2	TH660	Δ 1-809-827-11	THERMISTOR, POSITIVE	
R6852	1-260-123-11	CARBON	100K 5% 1 2W	TH6700	1-800-193-00	THERMISTOR	
R6853	1-260-123-11	CARBON	100K 5% 1/2W				
R6854	1-249-417-11	CARBON	1K 5% 1/4W				
R6856	1-216-485-11	METAL OXIDE	5.6K 5% 3W				
		(KV-29FS60A/29F 0B/29FS60D/29FS60E/29FS60K/29FS6 R/29F 6U)					
		1-215-922-11 METAL OXIDE 6.8K 5% 3W F (KV-32 S60A/ 2FS60B/32FS60D/32FS60E)					< CAPACITOR >
R6857	1-216-485-11	METAL OXIDE	5.6K 5% 3W (KV 29FS60A/29FS60B/29FS60D/29FS60E/29FS60K/29FS60R/29FS60U)	C5400	1-107-883-11	ELECT	330MF 20% 16V
		1-215-922-11 METAL OXIDE 6.8K 5% 3W F (KV-32FS60A/32FS60B/32FS60D/32FS60E)	C5401	1-126-935-11	ELECT	470MF 20% 16V	
			C5402	1-137-370-11	FILM	0.01MF 5% 50V	
			C5403	1-126-935-11	ELECT	470MF 20% 6.3V	
			C5405	1-126-933-11	ELECT	100MF 20% 16V	
			C5406	1-126-935-11	ELECT	470MF 20% 6.3V	
			C5407	1-104-989-91	FILM	0.0022MF 5% 200V	
			C5408	1-104-989-91	FILM	0.0022MF 5% 200V	
			C5409	1-107-649-11	ELECT	2.2MF 20% 250V	
			C5410	1-137-364-11	FILM	0.001MF 5% 50V	
			C5411	1-137-364-11	FILM	0.001MF 5% 50V	
			C5412	1-126-933-11	ELECT	100MF 20% 16V	
			C5413	1-126-933-11	ELECT	100MF 20% 16V	
			C5414	1-107-638-11	ELECT	33MF 20% 160V	
			C5415	1-107-363-91	FILM	0.0068MF 10% 200V	
			C5416	1-102-106-00	CERAMIC	100PF 10% 50V	
			C5419	1-101-880-00	CERAMIC	47PF 5% 50V	
			C5430	1-162-117-00	CERAMIC	100PF 10% 500V	

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
< CONNECTOR >							
CN5402	*1-568-878-51	PIN, CONNECTOR 3P		R5417	1-249-432-11	CARBON	18K 5% 1/4W
CN5444	*1-770-723-11	CONNECTOR, BOARD TO BOARD 8P		R5418	1-249-414-11	CARBON	560 5% 1/4W
CN5555	1-695-915-11	TAB (CONTACT)		R5419	1-249-421-11	CARBON	2.2K 5% 1/4W
CN5602	*1-568-881-51	PIN, CONNECTOR 6P		R5420	1-249-421-11	CARBON	2.2K 5% 1/4W
				R5421	1-249-383-11	CARBON	1.5 5% 1/4W F
< DIODE >							
D5400	8-719-991-33	DIODE 1SS133T-77		R5422	1-249-400-11	CARBON	39 5% 1/4W F
D5401	8-719-510-02	DIODE D1NS4		R5423	1-215-914-11	METAL OXIDE	330 5% 3W F
D5402	8-719-991-33	DIODE 1SS133T-77		R5425	1-249-419-11	CARBON	1.5K 5% 1/4W
D5403	8-719-991-33	DIODE 1SS133T-77					
D5404	8-719-991-33	DIODE 1SS133T-77					
D5405	8-719-924-11	DIODE MTZJ-T-77-22					
D5406	8-719-924-11	DIODE MTZJ-T-77-22					
< FERRITE BEAD >							
FB5400	1-410-397-21	FERRITE	1.1UH	C7900	1-101-8 0-00	CERAMIC	100PF 5% 500V
FB5401	1-410-396-41	FERRITE	0.45UH	C7901	1-101-8 0-00	CERA IC	100PF 5% 500V
				C7925	1- 37-372 11	FILM	0.022MF 5% 50V
				C7926	1- 37-372-11	FILM	0.022MF 5% 50V
< COIL >							
L5400	1-410-784-41	INDUCTOR	0.18UH				
< TRANSISTOR >							
Q5400	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q5401	8-729-119-78	TRANSISTOR 2SC2785-HFE		J7900	1-779-947-21	TERMINAL BLOCK, S	
Q5402	8-729-119-78	TRANSISTOR 2SC2785-HFE		J7925	1-764-606-11	JACK	
Q5403	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q5404	8-729-026-41	TRANSISTOR 2SA933AS-QRT					
Q5405	8-729-026-41	TRANSISTOR 2SA933AS-QRT					
Q5406	8-729-017-05	TRANSISTOR 2SA1837		I7925	1-414-183-41	INDUCTOR	10UH
Q5407	8-729-017-06	TRANSISTOR 2SC4793		I7926	1-414-183-41	INDUCTOR	10UH
< RESISTOR >							
R5400	1-249-401-11	CARBON	47 5% 1/4W	R7900	1-535-303-00	LEAD, JUMPER (5.0MM)	
R5401	1-249-421-11	CARBON	2.2K 5% 1/4W	R7901	1-249-417-11	CARBON	1K 5% 1/4W
R5402	1-249-413-11	CARBON	470 5% 1/4W	R7902	1-247-895-91	CARBON	470K 5% 1/4W
R5403	1-249-393-11	CARBON	10 5% 1/4W F	R7903	1-247-895-91	CARBON	470K 5% 1/4W
R5404	1-249-417-11	CARBON	1K 5% 1/4W	R7904	1-535-303-00	LEAD, JUMPER (5.0MM)	
R5405	1-249-425-11	CARBON	4.7K 5% 1/4W	R7905	1-249-417-11	CARBON	1K 5% 1/4W
R5406	1-249-425-11	CARBON	4.7K 5% 1/4W	R7906	1-535-303-00	LEAD, JUMPER (5.0MM)	
R5407	1-249-399-11	CARBON	33 5% 1/4W				
R5408	1-247-807-31	CARBON	100 5% 1/4W				
R5409	1-247-815-91	CARBON	220 5% 1/4W				
R5410	1-249-401-11	CARBON	47 5% 1/4W				
R5411	1-249-401-11	CARBON	47 5% 1/4W				
R5412	1-249-429-11	CARBON	10K 5% 1/4W				
R5413	1-249-414-11	CARBON	560 5% 1/4W F				
R5414	1-249-432-11	CARBON	18K 5% 1/4W				
R5415	1-260-311-11	CARBON	39 5% 1/2W	C7952	1-101-005-00	CERAMIC	0.022MF 50V
R5416	1-249-383-11	CARBON	1.5 5% 1/4W F	C7953	1-101-005-00	CERAMIC	0.022MF 50V
							(KV-32FS60A/32FS60B/32FS60D/32FS60E)

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C8232	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8329	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8233	1-104-664-11	ELECT 47MF	20% 16V	C8330	1-163-231-11	CERAMIC CHIP 15PF	5% 50V
C8234	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C8331	1-126-960-11	ELECT 1MF	20% 50V
C8235	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C8332	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C8236	1-126-933-11	ELECT 100MF	20% 16V	C8343	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
							(KV-29FS60B/32FS60B)
C8237	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V	C8344	1-163-173-00	CERAMIC CHIP 47PF	5% 50V
C8238	1-164-505-11	CERAMIC CHIP 2.2MF	16V				(KV-29FS60B/32FS60B)
C8239	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C8345	1-126-933-11	ELECT 100MF	20% 16V
C8240	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V				(KV-29FS60B/32FS60B)
C8241	1-126-964-11	ELECT 10MF	20% 50V	C8401	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8242	1-104-664-11	ELECT 47MF	20% 16V	C8402	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8243	1-110-501-11	CERAMIC CHIP 0.33MF	10% 16V	C8403	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
			(KV-29FS60B/32FS60B)	C8404	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8250	1-164-506-11	CERAMIC CHIP 4.7MF	16V	C8405	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8251	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8406	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8252	1-164-506-11	CERAMIC CHIP 4.7MF	16V	C8407	1-164-04-11	CERAMIC CHIP 0.1MF	10% 25V
C8253	1-163-263-11	CERAMIC CHIP 330PF	5% 50V	C8408	1-164-1 2-11	CERA IC CHIP 0.0033MF	10% 50V
C8254	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V	C8409	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8255	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C8410	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8256	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8411	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8258	1-126-933-11	ELECT 100MF	20% 16V				
C8260	1-126-933-11	ELECT 100MF	20% 16V	8412	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8263	1-126-933-11	ELECT 100MF	20% 16V	C84	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8300	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	C8414	1-163-231-11	CERAMIC CHIP 15PF	5% 50V
C8301	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8415	1-163-231-11	CERAMIC CHIP 15PF	5% 50V
				C8416	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8302	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25	C8417	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C8303	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	C8418	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8304	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8419	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8305	1-164-004-11	CERAMIC CHIP 0.1MF	10% 5V	C8420	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8306	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8421	1-126-933-11	ELECT 100MF	20% 16V
C8307	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8422	1-126-960-11	ELECT 1MF	20% 50V
C8308	1-126-933-11	ELECT 100MF	20% 16V	C8423	1-126-933-11	ELECT 100MF	20% 16V
C8310	1-164-004-11	CERAMIC CHIP 0.1MF	0% 25V	C8424	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8311	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8425	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8312	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8426	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8313	1-164-004-11	CERAMIC CHIP .1MF	10% 25V	C8427	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8314	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8450	1-104-664-11	ELECT 47MF	20% 16V
C8315	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8451	1-104-664-11	ELECT 47MF	20% 16V
C8316	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8455	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8317	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V				(KV-29FS60A/29FS60B/29FS60D/29FS60E)
C8318	1-126-933-11	ELECT 100MF	20% 16V				29FS60K/29FS60R/29FS60U/
C8319	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V				32FS60A/32FS60D/32FS60E)
C8320	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V				
C8321	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8456	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8322	1-126-933-11	ELECT 100MF	20% 16V	C8500	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8323	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	C8501	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8324	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8502	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8325	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	C8503	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8326	1-163-231-11	CERAMIC CHIP 15PF	5% 50V	C8504	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8327	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	C8505	1-126-933-11	ELECT 100MF	20% 16V
C8328	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	C8506	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V
				C8507	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C8508	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C8978	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C8509	1-126-933-11	ELECT 100MF	20% 16V			< FILTER >	
C8510	1-104-664-11	ELECT 47MF	20% 16V	CF8150	1-760-106-11	FILTER, CERAMIC	
C8511	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF8151	1-567-100-00	FILTER, CERAMIC	
C8512	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF8152	1-760-450-21	FILTER, CERAMIC	
C8513	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CF8200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)	
C8514	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V			< CONNECTOR >	
C8515	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN1402	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P (KV-29FS60B/32FS60B)	
C8516	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN8101	1-695-302-11	CONNECT R, B ARD TO BOARD 50P	
C8517	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN8102*	1-564-518-11	PLUG, CONNECTO 3P	
C8518	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN8900	1-561-534-41	SOC ET, PIN 21P	
C8519	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN8901	1-695-293-11	SOCKET 21P	
C8520	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	CN8902	1-95 293-11	SOCKET 21P	
C8521	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V			< DIODE >	
C8601	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	D8125	8-719-158-49	DIODE RD12SB2	
C8602	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	D8126	8-719-158-49	DIODE RD12SB2	
C8605	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	D8127	8-719-158-49	DIODE RD12SB2	
C8606	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	D8128	8-719-158-49	DIODE RD12SB2	
C8607	1-104-664-11	ELECT 47MF	20% 16V	D812	8-719-158-49	DIODE RD12SB2	
C8608	1-104-664-11	ELECT 47MF	20% 16V	D8130	8-719-158-49	DIODE RD12SB2	
C8609	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	D8131	8-719-158-49	DIODE RD12SB2	
C8610	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	D8132	8-719-158-49	DIODE RD12SB2	
C8611	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	D8150	8-719-421-57	DIODE MA73-TX	
C8612	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V	D8151	8-719-421-57	DIODE MA73-TX	
C8613	1-104-664-11	ELECT 47MF	20% 16V	D8152	8-719-421-57	DIODE MA73-TX	
C8614	1-104-664-11	ELECT 47MF	2% 1 V	D8200	8-719-158-49	DIODE RD12SB2	
C8700	1-126-964-11	ELECT 10MF	20% 50V	D8201	8-719-158-49	DIODE RD12SB2	
C8701	1-104-664-11	ELECT 47MF	20% 16V	D8202	8-719-158-49	DIODE RD12SB2	
C8702	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	D8203	8-719-158-49	DIODE RD12SB2	
C8703	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D8349	8-719-914-42	DIODE DA204K-T-146 (KV-29FS60B/32FS60B)	
C8704	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V	D8432	8-719-914-42	DOIDE DA204K-T-146 (KV-29FS60B/32FS60B)	
C8705	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V	D8450	8-719-158-49	DIODE RD12SB2	
C8706	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	D8451	8-719-158-49	DIODE RD12SB2	
C8707	1-163-235-11	CERAMIC CHIP 2PF	5% 50V	D8900	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8708	1-164-004-11	CE AMIC CHIP 0.1MF	10% 25V	D8901	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8709	1-126-964-11	ELECT 10MF	20% 50V	D8902	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8710	1-126-933-11	ELECT 100MF	20% 16V	D8903	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8900	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	D8904	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8901	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D8905	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8902	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D8906	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8903	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	D8907	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8904	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	D8908	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8905	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	D8909	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8906	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D8910	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8907	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D8911	8-719-056-85	DIODE UDV-TE-17-8.2B	
C8908	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	D8912	8-719-158-49	DIODE RD12SB2	
C8909	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D8913	8-719-158-49	DIODE RD12SB2	
C8910	1-163-251-11	CERAMIC CHIP 100PF	5% 50V				
C8911	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V				
C8916	1-126-933-11	ELECT 100MF	20% 16V				
C8977	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V				

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D8914	8-719-158-49	DIODE RD12SB2		I8343	1-410-421-11	INDUCTOR	15UH (KV-29FS60B/32FS60B)
D8915	8-719-158-49	DIODE RD12SB2					
D8922	8-719-056-84	DIODE UDV-TE-17-7.5B					
D8923	8-719-978-04	DIODE DTZ-TT11-3.3B					
			< FILTER >				
FL8200	1-236-071-11	ENCAPSULATED COMPONENT		Q8100	8-729-620-06	TRANSISTOR 2SC3052-EF	
FL8201	1-233-764-21	FILTER		Q8101	8-729-620-06	TRANSISTOR 2SC3052-EF	
FL8203	1-236-071-11	ENCAPSULATED COMPONENT		Q8150	8-729-620-06	TRANSISTOR 2SC3052-EF	
FL8250	1-236-071-11	ENCAPSULATED COMPONENT		Q8151	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8251	1-236-071-11	ENCAPSULATED COMPONENT		Q8152	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8252	1-236-071-11	ENCAPSULATED COMPONENT		Q8153	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8300	1-236-071-11	ENCAPSULATED COMPONENT		Q8154	1-801-806-11	TRANSISTOR DTC144EKA-T146	
FL8301	1-236-071-11	ENCAPSULATED COMPONENT		Q8155	8-729-038-96	TRANSISTOR IMZ1A-T10	
FL8400	1-236-071-11	ENCAPSULATED COMPONENT		Q8156	8-729-620-06	TRANSISTOR 2SC 052 EF	
FL8401	1-236-071-11	ENCAPSULATED COMPONENT		Q8157	8-729-620-06	TRANSISTOR SC305 EF	
FL8500	1-236-071-11	ENCAPSULATED COMPONENT		Q8200	8-729-620-06	TRANSISTOR 2SC3052-EF	
FL8501	1-236-071-11	ENCAPSULATED COMPONENT		Q8201	8-729-620-06	TRANSISTOR 2SC3052-EF	
FL8502	1-233-765-21	FILTER		Q8202	8-729-620-06	TRANSISTOR 2SC3052-EF	
FL8503	1-233-768-21	FILTER (SMD)		Q8300	8-729-216-22	TRANSISTOR 2SA1162-G	
FL8504	1-233-766-21	FILTER		Q8301	8-729-038-96	TRANSISTOR IMZ1A-T109	
FL8700	1-236-071-11	ENCAPSULATED COMPONENT		Q8302	8-729-620-06	TRANSISTOR 2SC3052-EF	
FL8701	1-236-071-11	ENCAPSULATED COMPONENT		Q8303	8-729-620-06	TRANSISTOR 2SC3052-EF	
			< IC >	Q8304	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8100	8-759-352-94	IC TDA7309D013TR		Q8305	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8101	8-759-085-34	IC TDA2822D		Q8306	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8125	8-759-351-01	IC TEA6422DT		Q8307	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8150	8-759-478-90	IC U2861B-MFP-G3		Q8308	8-729-038-96	TRANSISTOR IMZ1A-T109	
IC8151	8-752-072-94	IC CXA1875AM-T4		Q8309	8-729-038-96	TRANSISTOR IMZ1A-T109	
				Q8310	8-729-038-96	TRANSISTOR IMZ1A-T109	
				Q8311	8-729-620-06	TRANSISTOR 2SC2412K-T-146-R (KV-29FS60B/32FS60B)	
IC8200	8-759-544-10	IC MSP3410D-QA-B4		Q8343	8-729-620-06	TRANSISTOR 2SC2412K-T-146-R (KV-29FS60B/32FS60B)	
IC8201	8-759-701-36	IC NJM3403AM		Q8400	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8202	8-759-908-15	IC TI431CLP		Q8401	8-729-216-22	TRANSISTOR 2SA1162-G	
IC8250	8-759-567-38	IC TC9337F-034		Q8403	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8300	8-759-546-01	IC TDA9320 N1-518		Q8404	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8400	8-759-546-01	IC TDA9320H N -518		Q8405	8-729-038-96	TRANSISTOR IMZ1A-T109	
IC8451	8-759-385-76	IC MC14052BDR2		Q8406	8-729-038-96	TRANSISTOR IMZ1A-T109	
IC8500	8-752-390-37	IC CXD2064Q-T6		Q8407	8-729-038-96	TRANSISTOR IMZ1A-T109	
IC8601	8-759-544-24	IC LF90CDT		Q8425	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8602	8-759-544-23	IC LF80CDT		Q8450	8-729-216-22	TRANSISTOR 2SA1162-G	
IC8603	8-759-544-22	IC LF50CDT		Q8453	8-729-216-22	TRANSISTOR 2SA1162-G	
IC8604	8-759-544-22	IC LF50CDT		Q8456	8-729-620-06	TRANSISTOR 2SC3052-EF	
IC8700	8-752-390-35	IC CXD2057M-T6		Q8459	8-729-216-22	TRANSISTOR 2SA1162-G	
			< JACK >	Q8461	8-729-216-22	TRANSISTOR 2SA1162-G	
J8901	1-774-747-11	JACK BLOCK, PIN		Q8500	8-729-038-96	TRANSISTOR IMZ1A-T109	
			< COIL >	Q8501	8-729-620-06	TRANSISTOR 2SC3052-EF	
L8150	1-414-757-11	INDUCTOR 100UH		Q8503	8-729-216-22	TRANSISTOR 2SA1162-G	
L8200	1-412-006-31	INDUCTOR CHIP 100UH		Q8504	8-729-216-22	TRANSISTOR 2SA1162-G	
L8201	1-412-064-11	INDUCTOR CHIP 100UH		Q8700	8-729-620-06	TRANSISTOR 2SC3052-EF	
				Q8900	8-729-620-06	TRANSISTOR 2SC3052-EF	

REF. NO.	PART.NO	DESCRIPTION			REMARK	REF. NO.	PART.NO	DESCRIPTION			REMARK
Q8901	8-729-620-06	TRANSISTOR	2SC3052-EF			R8170	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q8903	8-729-620-06	TRANSISTOR	2SC3052-EF			R8171	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
< RESISTOR >											
R8100	1-216-025-91	RES,CHIP	100	5%	1/10W	R8175	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R8101	1-216-025-91	RES,CHIP	100	5%	1/10W	R8200	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8102	1-216-295-91	SHORT	0			R8201	1-216-295-91	SHORT	0		
R8103	1-216-089-91	RES,CHIP	47K	5%	1/10W	R8202	1-216-021-00	RES,CHIP	68	5%	1/10W
R8104	1-216-089-91	RES,CHIP	47K	5%	1/10W	R8203	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R8105	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R8204	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8106	1-216-081-00	RES,CHIP	22K	5%	1/10W	R8205	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R8107	1-216-081-00	RES,CHIP	22K	5%	1/10W	R8206	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8108	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R8208	1-216-037-00	RES,CHIP	330	5%	1/10W
R8109	1-249-389-11	CARBON	4.7	5%	1/4W F	R8209	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R8110	1-249-389-11	CARBON	4.7	5%	1/4W F	R8210	1-216-25-91	RES,CHIP	100	5%	1/10W
R8111	1-216-033-00	RES,CHIP	220	5%	1/10W	R8212	1-216-295-91	SHORT	0		
R8112	1-216-033-00	RES,CHIP	220	5%	1/10W	R8213	1-216-295-1	SHORT	0		
R8113	1-216-095-00	RES,CHIP	82K	5%	1/10W	R8214	1-216-295-91	SHORT	0		
R8114	1-216-081-00	RES,CHIP	22K	5%	1/10W	R8215	1-216-295-91	SHORT	0		
R8115	1-216-033-00	RES,CHIP	150	5%	1/10W	R8216	1-216-025-91	RES,CHIP	100	5%	1/10W
R8116	1-216-033-00	RES,CHIP	150	5%	1/10W	R8217	1-216-025-91	RES,CHIP	100	5%	1/10W
R8117	1-216-033-00	RES,CHIP	150	5%	1/10W	R821	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8118	1-216-033-00	RES,CHIP	150	5%	1/10W	R219	1-216-025-91	RES,CHIP	100	5%	1/10W
R8125	1-216-295-91	SHORT	0			R8220	1-216-025-91	RES,CHIP	100	5%	1/10W
R8126	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R8221	1-216-025-91	RES,CHIP	100	5%	1/10W
R8127	1-216-113-00	RES,CHIP	470K	5%	1/10W	R8222	1-216-295-91	SHORT	0		
R8128	1-216-049-91	RES,CHIP	1K	5%	1/1	R8223	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8129	1-216-025-91	RES,CHIP	100	5%	1/10W	R8224	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8130	1-216-025-91	RES,CHIP	100	5%	1/10W	R8225	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8131	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8226	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8132	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R8227	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8133	1-216-113-00	RES,CHIP	47 K	5%	1/10W	R8228	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8150	1-216-057-00	RES,CHIP	2.2	5%	1/10W	R8229	1-216-295-91	SHORT	0		
R8151	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	R8230	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8152	1-216-035-00	RES,CHIP	270	5%	1/10W	R8231	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8153	1-216-081-00	RES,CHIP	22K	5%	1/10W	R8232	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8154	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	R8233	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8155	1-216-043-91	RES,CHIP	560	5%	1/10W	R8234	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8156	1-216-081-00	RES,CHIP	22K	5%	1/10W	R8235	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8157	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	R8236	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8158	1-216-043-91	RES,CHIP	560	5%	1/10W	R8237	1-216-043-91	RES,CHIP	560	5%	1/10W
R8159	1-216-081-00	RES,CHIP	22K	5%	1/10W	R8238	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R8160	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	R8239	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R8161	1-216-043-91	RES,CHIP	560	5%	1/10W	R8240	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R8162	1-216-049-91	RES,CHIP	1K	5%	1/10W	R8243	1-216-021-00	RES,CHIP	68	5%	1/10W
R8163	1-216-295-91	SHORT	0			R8250	1-216-295-91	SHORT	0		
R8164	1-216-295-91	SHORT	0			R8251	1-216-295-91	SHORT	0		
R8165	1-216-295-91	SHORT	0			R8252	1-216-295-91	SHORT	0		
R8167	1-216-025-91	RES,CHIP	100	5%	1/10W	R8253	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R8168	1-216-025-91	RES,CHIP	100	5%	1/10W	R8254	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8169	1-216-049-91	RES,CHIP	1K	5%	1/10W						

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REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R8255	1-216-025-91	RES,CHIP	100 5% 1/10W	R8346	1-216-295-91	SHORT	0 (KV-29FS60A/29FS60D/29FS60E/ 29FS60K/29FS60R/29FS60U/ 32FS60A/32FS60D/32FS60E)
R8256	1-216-295-91	SHORT	0	R8347	1-216-025-91	RES,CHIP	100 5% 1/10W (KV-29FS60B/32FS60B)
R8257	1-216-025-91	RES,CHIP	100 5% 1/10W	R8348	1-216-295-91	SHORT	0 (KV-29FS60B/32FS60B)
R8258	1-216-025-91	RES,CHIP	100 5% 1/10W	R8349	1-216-121-91	RES,CHIP	1M 5% 1/10W (KV-29FS60B/32FS60B)
R8259	1-216-081-00	RES,CHIP	22K 5% 1/10W (KV-29FS60B/32FS60B)	R8350	1-216-073-00	RES,CHIP	10K 5% 1/10W
R8300	1-216-041-00	RES,CHIP	470 5% 1/10W	R8351	1-216-073-00	RES,CHIP	1 K % 1/10W
R8302	1-216-017-91	RES,CHIP	47 5% 1/10W	R8352	1-216-089-91	RES,CHIP	7K 5% 1/10W (KV-29FS60B/32FS60B)
R8303	1-216-041-00	RES,CHIP	470 5% 1/10W	R8353	1-216-081-00	RES,CHI	2 K 5% 1/10W (KV-29FS60B/32FS60B)
R8304	1-216-041-00	RES,CHIP	470 5% 1/10W	R8354	1-216-0 7-00	RES,CHIP	5.6K 5% 1/10W
R8305	1-216-049-91	RES,CHIP	1K 5% 1/10W (KV-29FS60B/32FS60B)	R8355	1-216-0 7-00	RES, HIP	2.2K 5% 1/10W
R8306	1-216-295-91	SHORT	0	R8356	1- 16-057 00	RES,CHIP	2.2K 5% 1/10W
R8307	1-216-049-91	RES,CHIP	1K 5% 1/10W	R8400	1- 16-041-00	RES,CHIP	470 5% 1/10W
R8308	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R8402	1- 16-295 1	SHORT	0
R8309	1-216-049-91	RES,CHIP	1K 5% 1/10W	R8403	1-216-041-00	RES,CHIP	470 5% 1/10W
R8310	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R84	1 216-295-91	SHORT	0
R8311	1-216-085-00	RES,CHIP	33K 5% 1/10W	R8405	1-216-025-91	RES,CHIP	100 5% 1/10W
R8312	1-216-077-00	RES,CHIP	15K 5% 1/10W	R8406	1-216-025-91	RES,CHIP	100 5% 1/10W
R8313	1-216-041-00	RES,CHIP	470 5% 1/10W	R84	7 1-216-295-91	SHORT	0
R8314	1-216-043-91	RES,CHIP	560 5% 1/10W	R8408	1-216-295-91	SHORT	0
R8316	1-216-295-91	SHORT	0	R8409	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
R8317	1-216-025-91	RES,CHIP	100 5% 1/10W	R8410	1-216-049-91	RES,CHIP	1K 5% 1/10W
R8318	1-216-025-91	RES,CHIP	100 5% 1/10W	R8411	1-216-097-91	RES,CHIP	100K 5% 1/10W
R8319	1-216-295-91	SHORT	0	R8412	1-216-041-00	RES,CHIP	470 5% 1/10W
R8320	1-216-295-91	SHORT	0	R8413	1-216-041-00	RES,CHIP	470 5% 1/10W
R8321	1-216-049-91	RES,CHIP	1K 5% 1/10W	R8414	1-216-041-00	RES,CHIP	470 5% 1/10W
R8322	1-216-049-91	RES,CHIP	1K 5% 1/10W	R8416	1-216-041-00	RES,CHIP	470 5% 1/10W
R8323	1-216-097-91	RES,CHIP	100K 5% 1/10W	R8417	1-216-041-00	RES,CHIP	470 5% 1/10W
R8325	1-216-041-00	RES,CHIP	470 5% 1/10W	R8418	1-216-041-00	RES,CHIP	470 5% 1/10W
R8326	1-216-041-00	RES,CHIP	470 5% 1/10W	R8419	1-216-041-00	RES,CHIP	470 5% 1/10W
R8327	1-216-041-00	RES,CHIP	470 5% 1/10W	R8420	1-216-041-00	RES,CHIP	470 5% 1/10W
R8328	1-216-041-00	RES,CHIP	470 5% 1/10W	R8421	1-216-049-91	RES,CHIP	1K 5% 1/10W
R8329	1-216-041-00	RES,CHIP	470 5% 1/10W	R8422	1-216-017-91	RES,CHIP	47 5% 1/10W
R8330	1-216-041-00	RES,CHIP	470 5% 1/10W	R8423	1-216-017-91	RES,CHIP	47 5% 1/10W
R8331	1-216-041-00	RES,CHIP	40 5% 1/10W	R8424	1-216-025-91	RES,CHIP	100 5% 1/10W
R8332	1-216-041-00	RES,CHIP	470 5% 1/10W	R8425	1-216-077-00	RES,CHIP	15K 5% 1/10W
R8333	1-216-041-00	RES,CHIP	470 5% 1/10W	R8426	1-216-017-91	RES,CHIP	47 5% 1/10W
R8334	1-216-017-91	RES,CHIP	47 5% 1/10W	R8427	1-216-017-91	RES,CHIP	47 5% 1/10W
R8335	1-216-017-91	RES,CHIP	47 5% 1/10W	R8428	1-216-017-91	RES,CHIP	47 5% 1/10W
R8337	1-216-077-00	RES,CHIP	15K 5% 1/10W	R8429	1-216-041-00	RES,CHIP	470 5% 1/10W
R8338	1-216-017-91	RES,CHIP	47 5% 1/10W	R8430	1-216-041-00	RES,CHIP	470 5% 1/10W
R8339	1-216-017-91	RES,CHIP	47 5% 1/10W	R8431	1-216-017-91	RES,CHIP	47 5% 1/10W
R8340	1-216-049-91	RES,CHIP	1K 5% 1/10W	R8432	1-216-121-91	RES,CHIP	1M 5% 1/10W (KV-29FS60B/32FS60B)
R8343	1-216-045-00	RES,CHIP	680 5% 1/10W (KV-29FS60B/32FS60B)				
R8344	1-216-033-00	RES,CHIP	220 5% 1/10W (KV-29FS60B/32FS60B)				
R8345	1-216-033-00	RES,CHIP	220 5% 1/10W (KV-29FS60B/32FS60B)				

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R8433	1-216-073-00	RES,CHIP	10K 5% 1/10W	R8705	1-216-295-91	SHORT	0
R8434	1-216-073-00	RES,CHIP	10K 5% 1/10W	R8706	1-216-049-91	RES,CHIP	1K 5% 1/10W
R8450	1-216-089-91	RES,CHIP	47K 5% 1/10W	R8707	1-216-089-91	RES,CHIP	47K 5% 1/10W
R8451	1-216-073-00	RES,CHIP	10K 5% 1/10W	R8708	1-216-089-91	RES,CHIP	47K 5% 1/10W
R8453	1-216-089-91	RES,CHIP	47K 5% 1/10W	R8900	1-216-039-00	RES,CHIP	390 5% 1/10W
R8454	1-216-073-00	RES,CHIP	10K 5% 1/10W	R8901	1-216-049-91	RES,CHIP	1K 5% 1/10W
R8455	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R8902	1-216-039-00	RES,CHIP	390 5% 1/10W
R8460	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R8903	1-216-089-91	RES,CHIP	47K 5% 1/10W
R8462	1-216-073-00	RES,CHIP	10K 5% 1/10W	R8904	1-216-089-91	RES,CHIP	47K 5% 1/10W
R8467	1-216-089-91	RES,CHIP	47K 5% 1/10W	R8905	1-216-113-00	RES,CHIP	470K 5% 1/10W
R8468	1-216-073-00	RES,CHIP	10K 5% 1/10W	R8906	1-216-039-00	RES,CHIP	390 5% 1/10W
R8469	1-216-033-00	RES,CHIP	220 5% 1/10W	R8907	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
R8470	1-216-022-00	RES,CHIP	75 5% 1/10W	R8908	1-216-039-00	RES,CHIP	90 5% 1/10W
R8472	1-216-089-91	RES,CHIP	47K 5% 1/10W	R8909	1-216-049-91	RES,CHIP	1K 5% 1/10W
R8473	1-216-073-00	RES,CHIP	10K 5% 1/10W	R8911	1-216-063-91	RES,CHIP	3.9K 5% 1/10W
				R8913	1-216-022-00	RES,CHIP	75 5% 1/10W
R8474	1-216-033-00	RES,CHIP	220 5% 1/10W	R8914	1-216-071-00	RES,CHIP	8.2K 5% 1/10W
R8475	1-216-022-00	RES,CHIP	75 5% 1/10W	R8915	1-216-022-00	RES,CHIP	75 5% 1/10W
R8500	1-216-017-91	RES,CHIP	47 5% 1/10W	R8916	1-216-033-00	RES,CHIP	220 5% 1/10W
R8501	1-216-075-00	RES,CHIP	12K 5% 1/10W	R8917	1-216-033-00	RES,CHIP	220 5% 1/10W
R8502	1-216-041-00	RES,CHIP	470 5% 1/10W	R8918	1-216-113-00	RES,CHIP	470K 5% 1/10W
R8503	1-216-069-00	RES,CHIP	6.8K 5% 1/10W	R8919	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
R8504	1-216-041-00	RES,CHIP	470 5% 1/10W	R8920	1-216-022-00	RES,CHIP	75 5% 1/10W
R8505	1-216-047-91	RES,CHIP	820 5% 1/10W	R8923	1-216-022-00	RES,CHIP	75 5% 1/10W
R8506	1-216-091-00	RES,CHIP	56K 5% 1/10W	R8924	1-216-022-00	RES,CHIP	75 5% 1/10W
R8507	1-216-295-91	SHORT	0	R8925	1-216-022-00	RES,CHIP	75 5% 1/10W
R8508	1-216-043-91	RES,CHIP	560 5% 1/10W	R8926	1-216-033-00	RES,CHIP	220 5% 1/10W
R8509	1-216-045-00	RES,CHIP	680 5% 1/1	R8927	1-216-033-00	RES,CHIP	220 5% 1/10W
R8510	1-216-067-00	RES,CHIP	5.6K 5% 1/10W	R8928	1-216-033-00	RES,CHIP	220 5% 1/10W
R8511	1-216-049-91	RES,CHIP	1K 5% 1/10W	R8929	1-216-039-00	RES,CHIP	390 5% 1/10W
R8513	1-216-295-91	SHORT	0	R8930	1-216-049-91	RES,CHIP	1K 5% 1/10W
R8514	1-216-017-91	RES,CHIP	47 5% 1/10W	R8931	1-216-039-00	RES,CHIP	390 5% 1/10W
R8517	1-216-295-91	SHORT	0	R8932	1-216-049-91	RES,CHIP	1K 5% 1/10W
R8519	1-216-037-00	RES,CHIP	330 5% 1/10W	R8933	1-216-089-91	RES,CHIP	47K 5% 1/10W
R8520	1-216-041-00	RES,CHIP	470 5% 1/10W	R8934	1-216-089-91	RES,CHIP	47K 5% 1/10W
R8521	1-216-061-00	RES,CHIP	3.3K 5% 1/10W	R8935	1-216-113-00	RES,CHIP	470K 5% 1/10W
R8522	1-216-041-00	RES,CHIP	470 5% 1/10W	R8936	1-216-113-00	RES,CHIP	470K 5% 1/10W
R8523	1-216-033-00	RES,CHIP	220 5% 1/10W	R8937	1-216-039-00	RES,CHIP	390 5% 1/10W
R8525	1-216-295-91	SHORT	0	R8938	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
R8526	1-216-061-00	RES,CHIP	3.3K 5% 1/10W	R8939	1-216-039-00	RES,CHIP	390 5% 1/10W
R8527	1-216-047-91	RES,CHIP	820 5% 1/10W	R8940	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
R8528	1-216-047-91	RES,CHIP	820 5% 1/10W	R8941	1-216-063-91	RES,CHIP	3.9K 5% 1/10W
R8529	1-216-055-00	RES,CHIP	1.8K 5% 1/10W	R8942	1-216-009-00	RES,CHIP	22 5% 1/10W
R8530	1-216-051-00	RES,CHIP	1.2K 5% 1/10W	R8943	1-216-022-00	RES,CHIP	75 5% 1/10W
R8531	1-216-053-00	RES,CHIP	1.5K 5% 1/10W	R8944	1-216-071-00	RES,CHIP	8.2K 5% 1/10W
R8532	1-216-049-91	RES,CHIP	1K 5% 1/10W	R8945	1-216-022-00	RES,CHIP	75 5% 1/10W
R8700	1-216-049-91	RES,CHIP	1K 5% 1/10W	R8946	1-216-033-00	RES,CHIP	220 5% 1/10W
R8701	1-216-073-00	RES,CHIP	10K 5% 1/10W	R8947	1-216-039-00	RES,CHIP	390 5% 1/10W
R8702	1-216-025-91	RES,CHIP	100 5% 1/10W	R8948	1-216-049-91	RES,CHIP	1K 5% 1/10W
R8703	1-216-025-91	RES,CHIP	100 5% 1/10W	R8949	1-216-022-00	RES,CHIP	75 5% 1/10W
R8704	1-216-025-91	RES,CHIP	100 5% 1/10W	R8950	1-216-089-91	RES,CHIP	47K 5% 1/10W

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The components identified by shading and marked Δ are critical for safety
Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R8951	1-216-033-00	RES,CHIP	220 5% 1/10W			MISCELLANEOUS	
R8952	1-216-113-00	RES,CHIP	470K 5% 1/10W			*****	
R8953	1-216-039-00	RES,CHIP	390 5% 1/10W				
R8954	1-216-057-00	RES,CHIP	2.2K 5% 1/10W			Δ 1-416-654-11 COIL DEMAGNETIC (KV-29FS60)	
R8955	1-216-039-00	RES,CHIP	390 5% 1/10W			Δ 1-416-769-11 COIL DEMAGNETIC (KV-32FS60)	
R8956	1-216-049-91	RES,CHIP	1K 5% 1/10W			1-425-032-00 MAGNET, DISK: 10MM	
R8957	1-216-049-91	RES,CHIP	1K 5% 1/10W			1-452-094-00 MAGNET, ROTATABLE DISK; 15MM	
R8958	1-216-089-91	RES,CHIP	47K 5% 1/10W			Δ 1-453-272-11 TRANSFORMER ASSY, FLYBACK (NX-4512/U2B4)	
R8959	1-216-022-00	RES,CHIP	75 5% 1/10W			1-529-153-11 SPEAKER (4.8X20CM)	
R8960	1-216-033-00	RES,CHIP	220 5% 1/10W			1-529-144-11 SPEAKER (13CM)	
R8961	1-216-022-00	RES,CHIP	75 5% 1/10W			1-452-896-11 COIL, NA ROTATION (RT200)	
R8963	1-216-113-00	RES,CHIP	470K 5% 1/10W			Δ 1-571-433-21 SWITCH, PUSH (AC POWER)	
R8964	1-216-039-00	RES,CHIP	390 5% 1/10W			Δ 1-574-062-61 CORD POWER (WITH CONECTOR)	
R8965	1-216-057-00	RES,CHIP	2.2K 5% 1/10W			(KV-2 FS60A/29FS60B/29FS60D/	
R8968	1-216-022-00	RES,CHIP	75 5% 1/10W			29FS60E/29FS60K/29FS60R/	
R8969	1-216-033-00	RES,CHIP	220 5% 1/10W			32FS60A/32FS60B/32FS60D/	
						32FS60E)	
R8977	1-216-037-00	RES,CHIP	330 5% 1/10W			Δ 1-590-62-21 CORD POWER (WITH UK PLUG) (KV-29FS60U)	
R8978	1-216-037-00	RES,CHIP	330 5% 1/10W			1-693-38-11 TUNER/VIF (AEP)	
R8979	1-216-045-00	RES,CHIP	680 5% 1/10W			(KV-29FS60A/29FS60D/29FS60E/	
R8980	1-216-045-00	RES,CHIP	680 5% 1/10W			29FS60K/29FS60R/	
R8981	1-216-085-00	RES,CHIP	33K 5% 1/10W			32FS60A/32FS60D/32FS60E)	
R8982	1-216-057-00	RES,CHIP	2.2K 5% 1/10W			Δ 1-693-340-11 TUNER/VIF (FR) (KV-29FS60B/32FS60B)	
R8983	1-216-077-00	RES,CHIP	15K 5% 1/10W			1-693-339-11 TUNER/VIF (UK) (KV-29FS60U)	
R8990	1-216-057-00	RES,CHIP	2.2K 5% 1/10W			Δ 8-735-053-05 PICTURE TUBE (M68LNH060X) (KV-29FS60)	
R8991	1-216-097-91	RES,CHIP	100K 5% 1/10W			Δ 8-735-054-05 PICTURE TUBE (W76LLZ060X) (SD-302) (KV-32FS60)	
R8992	1-216-057-00	RES,CHIP	2.2K 5% 1/10W			Δ 8-451-504-11 DEFLECTION YOKE (KV-29FS60)	
R8993	1-216-057-00	RES,CHIP	2.2K 5% 1/10W			Δ 1-451-480-11 DEFLECTION YOKE (KV-32FS60)	
R8994	1-216-073-00	RES,CHIP	10K 5% 1/10W			Δ 8-453-011-11 NECK ASSY, NA299-M	
R8995	1-216-089-91	RES,CHIP	47K 5% 1/10W			Δ 1-251-317-31 CAP ASSY, HIGH VOLTAGE	
						*1-204-549-01 BRACKET, MAIN	
						1-790-082-11 CABLE, RF	
						1-771-599-11 SWITCH ARRAY	

X8200	1-781-148-21	VIBRATOR, CRYSTAL
X8300	1-567-504-11	OSCILLATOR, CRYSTAL
X8301	1-567-505-11	OSCILLATOR, CRYSTAL
X8400	1-567-504-11	OSCILLATOR CRYSTAL
X8401	1-567-505-11	OSCILLATOR, CRYSTAL
X8700	1-767-342-21	VIBRATOR, CRYSTAL

REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
		ACCESSORIES AND PACKAGING MATERIALS (KV-29FS60)	*****				
1-765-654-11	CABLE, SPEAKER						
4-204-589-41	MANUAL, INSTRUCTION (KV-29FS60A)	(ITALIAN)					
4-204-589-51	MANUAL, INSTRUCTION (KV-29FS60B)	(FRENCH/GERMAN/ITALIAN/DUTCH)					
4-204-589-11	MANUAL, INSTRUCTION (KV-29FS60D)	(GREEK/ENGLISH/DUTCH/TURKISH)					
4-204-589-71	MANUAL, INSTRUCTION (KV-29FS60E)	(SPANISH)					
4-204-589-81	MANUAL, INSTRUCTION (KV-29FS60E)	(PORTUGUESE/FINNISH/DANISH/NORWEGIAN/SWEDISH)					
4-204-589-91	MANUAL, INSTRUCTION (KV-29FS60K/29FS60R)	(RUSSIAN/BULGARIAN/ENGLISH/POLISH/HUNGARIAN)					
4-204-589-61	MANUAL, INSTRUCTION (KV-29FS60U)	(ENGLISH)					
*4-204-476-01	BAG PROTECTION						
*4-204-475-01	INDIVIDUAL CARTON						
*4-204-553-01	CUSHION (UPPER) (ASSY)						
*4-204-556-01	CUSHION (LOWER) (ASSY)						

		ACCESSORIES AND PACKAGING MATERIALS (KV-32FS60)	*****				
1-765-654-11	CABLE, SPEAKER						
4-204-562-41	MANUAL, INSTRUCTION (KV-32FS60A)	(ITALIAN)					
4-204-562-51	MANUAL, INSTRUCTION (KV-32FS60B)	(FRENCH/GERMAN/ITALIAN/DUTCH)					
4-204-562-11	MANUAL, INSTRUCTION (KV-32FS60D)	(ENGLISH/GERMAN)					
4-204-562-71	MANUAL, INSTRUCTION (KV-32FS60E)	(SPANISH/PORTUGUESE/FINNISH/ DANISH/NORWEGIAN/SWEDISH)					
*4-060-976-01	BAG PROTECTION						
*4-204-475-01	INDIVIDUAL CARTON						
*4-204-380-01	CUSHION (UPPER) (ASSY)						
*4-204-381-01	CUSHION (LOWER) (ASSY)						

		REMOTE COMMANDER	*****				
1-418-047-11	REMOTE COMMANDER (RM-891)						